SEQUENCE LISTING

<110> Glenn Barnes
      Joanne Meyer

<120> Detection of Polymorphisms in the Human
      5-Lipoxygenase Gene

<130> MRI-021

<150> 60/267,515
<151> 2001-02-08

<150> 60/314,248
<151> 2001-08-21

<160> 66

<170> FastSEQ for Windows Version 4.0

<210> 1
<211> 2189
<212> DNA
<213> Homo sapiens

<400> 1
ggatccagaa taaccaaaac aatattgaaa aataaagaac agcgttggtg gattaacatt 60
ttccaatttc aaaacttact atagcactgc ggtaatcaag cagtgtggca ctgtatagca 120
tgtacattac agatcagtgg actagaatca atgtccagaa ataaaccgtt atgtttataa 180
tgaattactt tttaataagg tgtcaagaca acgcaatggg aaaagaataa tgaattcaac 240
aaatgatgca tggacaaccg gacatgcaca tgcaacacaa tgaatttgaa ttcttctatc 300
gctccatgca taaaaactaa ctcaaaatgg gtcacggatg taaatgaaaa gctaaaacta 360
taataatcct agaggaaaac ctaggagtaa atctttaaga tgttattgta ggcagtggtt 420
tctcagatag gaccccaaaa tcacaagcga caaaaagaaa ttggacttaa agttaaatac 480
ttttgtgctt caaacatcat caagaaagtg aaaacacaac ccgcagaagc aataaaaatg 540
tctgtaagtc atgtatccga ttagagactt ctatccagga tatataaata atgcaattca 600
atgataaaaa agataaatag cccagttttc caaagagtca agcatctgaa tatacatctc 660
tccaaaaata tacagatatc caacaagcat gtgaaaagat gttcaaagcc atttgccagg 720
tgcacaaacc caagacagta tgaggagatg ctacagggac tctgctgctt cacagacatg 780
aagcgttggt gagaatgtag gcagccgcct ttggggactt cacatccccg ccgccccacg 840
cacggtgagc tagtgtttaa acttagccga gatcaataca cgcgactgtg tgcccgtcag 900
accctgcgct gccggcgggg ctgggagagg cgggcgccag gagtgggcgg gaacctgggg 960
gtcaggcccc agccgcggga agcgcgccca ggagcgcgcg aaaccttctc cacacccttc 1020
caggcatttg cccgccgcga ttcagagagc cgacccgtga cccctggcct cccctagaca 1080
gccccgcatg tccagatgtg ccgtcccgcc tgcctcccgc gaccactggc catctctggg 1140
cctgggcgcg gttctcggcg cccggcctgc ccccgccagg agccgcaggt ccagccagtg 1200
aagaagcccg cgcctgaagg agcctctgtg ctccagaatc catcctcagt atcagcgctg 1260
gggtggcctc ctccaggaag cccttctgat tctctcatgg gtcgctcttc ctctgcagac 1320
tcccggagca ccccctgctc caagtaccgc aagtggcact gagaactt‍gg ggagagcaga 1380
ggctgtgcct agatttgtag ggagtccccg cagctccacc ccagggccta caggagcctg 1440
gccttgggcg aagccgaggc aggcaggcag ggcaaagggt ggaagcaatt caggagagaa 1500
cgagtgaacg aatggatgag gggtggcagc cgaggttgcc ccagtcccct ggctgcagga 1560
acagacacct cgctgaggag agacccagga gcgaggcccc tgccccgccc gaggcgaggt 1620
cccgcccagt cggcgccgcg cgtgaagagt gggagagaag tactgcgggg gcgggggcgg 1680
gggcggggggc gggggcgggg gcagccggga gcctggagcc agaccggggc ggggccggga 1740
ccggggccag ggaccagtgg tgggaggagg ctgcggcgct agatgcggac acctggaccg 1800

```
ccgcgccgag gctcccggcg ctcgctgctc ccgcggcccg cgccatgccc tcctacacgg 1860
tcaccgtggc cactggcagc cagtggttcg ccggcactga cgactacatc tacctcagcc 1920
tcgtgggctc ggcgggctgc agcgagaagc acctgctgga caagcccttc tacaacgact 1980
tcgagcgtgg cgcggtgagc gcgggcgggg cacgggtgga gcgcgggctg aggtgcgtcc 2040
gggacccggt ttggacggca gaggcctggg cggggggcgcc gagggcccgt cggggcggcc 2100
cggacaggac tggggggtgtc caggaccctg tcagggaggg cagaactgcg gtggggcgtg 2160
ccctgggctc ccagtggccg gtgggtacc                                  2189
```

<210> 2
<211> 168273
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(168273)
<223> n = A,T,C or G

<400> 2
```
ttgcacgctn ctcagccccg gctgtactat tggtctacac gtgccatcgt ggtttgctgc 60
acccatcaac ccatcatcta cattaggtat ttctcctaat gctctctttc cccttgcccc 120
ccaccctcta acacgccctg ttgtgtgatg ttgacctccc tgtgtacatg tgttgtcatt 180
gtacaactcc tgcttatgag tgacaacatc tgtctgattt tctgtcttgt gttagtttgc 240
tgagaatgat ggttcccatc ttcatccttg tacctgcaaa ggacatgaac tcatccttta 300
atatggctgc ttagaatccc acagtataga tgtgcctcat tttctttatc cagactatca 360
ttgatgggca tttgggttgg atccaagact ttgctattgt gaacagtgat tcaataaaca 420
tacgagtgca tgtgtcttta tggatgaatg attgataatc ctttgggcat atacccacta 480
atgggattgc tggacctaat ggtttgcctg gatcctgatc cttgaggaat caccacactc 540
tcttacagtg taaaagtgtc tctatatata ctcatcccct ccagcatctg ttatttactg 600
actctttaat catcaacctt cttactggag agagaaggtt taattaccac taatgacgag 660
cctttaatca aattgttgtt ggacccttcc caacttactt gcgaaggggt catttgtaaa 720
cttacgccac cttttgatgg ggcagttttt ctcgtttatc cgcaaagatc ctgggggacc 780
ccttttttta actcttttga agaccgttat atctgaacaa tttctcccat accgagaggt 840
ggcgggttac aacccttgaa agtttctttt ttttttgggg cccccttagt ttcacaaaaa 900
tcccttcgga ccaatttgcc ttttgttgcc aaggaatttt tccccctaag tcactaggaa 960
tttttcccag ggcacacagg tgtagtggcc ttccccagaa tttttctcct gggtatccaa 1020
tgttataaga aaaaaaattg gggaattttt ttaaacctcc aataaaattt tttatagaga 1080
taaggccggt ttcatttnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 1140
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnncgc 1200
ggtcttcagc ccgtggtgaa gactgattaa cagtcataag aaggtaaagc tctaagtgac 1260
ctgtaagaaa catacagtct cacacaatta ggcaaggagt ccaacttgga agaaagagtg 1320
gcatagattc aaaccctgat gccacaactt atgttaaccc tcctgaggct caacttctca 1380
cacatgacag gagaatctca tcatgtacct caattaattg atatacagat tatggtaaac 1440
attcaatgaa aaagtatgta aagtttctat cattctacta cagttggtat tcaacaaatg 1500
ccactttatt cactttctgt taagcctgaa agaagtactg aatgacatca acgagtgcaa 1560
ttcaacaaat ataatttgag cactgattac tcaataagca ttatgaggaa ctaaatatt 1620
atcagcaaat gatggctgac atagaggaaa tgtgacagag taggaagatc cctgtactcc 1680
ctgtatcaaa ggactgagat tcttccactc aggaccatgt gtgaccccaa cagaaagtag 1740
aaatttacag aaagatacct ggcaaaacac ccaaatagtt tgaagttaaa aaatatacct 1800
ctgaataaca ccccatggaa attttttaaag attataatgt gaattaaaat gaaaacatat 1860
aaccataaca aaaattgtag gatacaggaa aactggtgct catatagcat taactgttta 1920
cattacattt tagagaatca acttaattca attatctaag tttctatttt agaaaactat 1980
gtaaaaaaag gagagcatat ttaaaaagta agcagaagaa caaaagataa gcatgacaga 2040
caatgaaatt gaaaatggaa aaatcataga gaagaatcaa atgaatcaaa agtagtttct 2100
tggaaaagat caataaataa aattggttga tataatttac tgatattagg agtgggaaag 2160
ataatcactg atcatagatc catgatgaac aagcttattt caataaatta ataaactcag 2220
caacttcaac aaaatggaca gattacttgg aagacaccaa ttaccaaagc tcaaaaaaag 2280
```

```
agaatctaaa tagtcctata tttatgaaaa aaaaaaacaa aactgaattt gtatttaaaa 2340
actttgccac aaagaaaatt ttaggttcag atgggtttcc taataaattt ttcccatttta 2400
gtaagaataa tatcaattct acacaaactc attcaaaaaa aaaggagaga gaatacttta 2460
caacacgttc tgcaaggtca gtattaccct gataccaaaa caaaggatat tacataaaaa 2520
cgacaccaat atccttcatg aacatagatt cttcaccacg gggctggaag gatccgnnnn 2580
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 2640
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnatag cacgcccttg agccctggt 2700
gaatataaga gattaggcta cagcgtgttc tactccaact ttatttgctt tctgagcatc 2760
taattccact ttgcaaaatg gacatttttt ttccctcttg agagtcagga aattaccagg 2820
tgtgccagga taatccttag tatcaactgt aaaatatcag tataaaataa tgagtaagca 2880
tatttcagtg ggtgtttata tgcttttggt tgcatagcat gagccaaagg cagataaaaa 2940
atgtgggctc cagatagtga ctcaatctcc agaaatcata atgtcagtta cacaatgata 3000
tttctatatt ggcatcacaa aataatccac ttgtcatagg ataattgctc tagatgaggg 3060
catggagctg tgctgaggaa tctgccattt ttctttatcc agactctgtc tcataccgac 3120
cacaggcccc aatcattgtc tatcaaaaaa catgcttgtg tctcttttgg cttactatga 3180
aaggaagcaa gatcttttcc tcaagcattt aagtgttgac tgtgggctac ccagtgtgct 3240
agacactgng gatcaaattc tgtgaggtta aaaatacccc ataactcact ggatagaaat 3300
tcaaaatgct cgctatgttg attctatgat caacttccaa ggggaccttt ntacctccta 3360
tcttcatcag caagcaacta cattgatttt gtagcccagg atctattccc acgtcaaccg 3420
tgggtttcaa atgtttgctc tagctcaatg gcctcttaag ccactaaccc aatatgttgc 3480
tttttaccag taaaaaagtg catctgggga ataagttggt gtatatttgt ggttcagcca 3540
gcccatagat cgtccagagg accccaggct taggaggaat cctcagattt gagagccact 3600
gtcctgtatg atgcagatag cacagctctt cctgaaaata ggaattcaaa tgaggaaaaa 3660
tgaaaactct cctaattatt ttcttctgcc tctttcattc caagctcatc taattatcat 3720
gctctattgt gaagaatcaa agaaagaact cataaatata cctttgtgc ctgtatttttg 3780
aatgtacgtt gtgcatgtaa gcctttgtgg ttaagcaaat gtcaagaaaa tccctagtcc 3840
cattgcttac agtcaatatg gggcaattca agcaaagtat atgcctctaa tatggtttga 3900
aaattctgaa agttcagaaa aaatgttgct acttcagcca tctgatgtta ctggatattg 3960
agaatgagac ctcctctccc tctgctttcc tcatttccat ctcctccttc ctctttctcc 4020
tctctccctc tcctttattc tccttctccc tcctctctct ccatgcttac tcccttcctc 4080
ttctccctct ttcttcttta ttctccttct ccctcctctc tctctctccc cttttttcctc 4140
ccttcctctc ctccctccct ctcctttatt ctccttctcc ctcctctctc tctctcccc 4200
ttttcctata ttcccagatt aggccatttt caaaactggt taaacattcc ccaaaagcat 4260
ttatgacaga gaattgacta ggatctcacc tgaatcacag agcttgccca ttgaacacag 4320
gcaaagatca agccattttc tcttgatgtg atgcttcagc attttatgca tttgaaacaa 4380
attttatgta aaaaaaagct tagccctttg gtgacgggga ttccttttct ggatgatctg 4440
ccaaagaatc aagacccaac gtccagctta tcaaattttc tctggacctt tannnnnnnn 4500
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 4560
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnccgtggtg aagacttcca cgtgaacttt 4620
aaagtagttt tttccaattc tgtgaagaat gtcattggta gcttgatggg gatggcactg 4680
aagattttct tcattttat gactgcatag cattccatgg agtatatgta ccacattttc 4740
tttatccaat tcactgttgg tgggcaccta ggtcaattcc atgactttgc tgttgtgaat 4800
agtactgcaa tgaacatgtg agtgcatgtg tcttttttgga ggaataattt gttctctttt 4860
ggatatatac ccagtaatgg ggttgctggg ccaaatggta gttctgtttt aagttctttg 4920
agaaatctcc aaactgcttt ccacagaggc tgaactaatt gacattccca ctgccatgca 4980
tgagcattcc ctttttctcct cagctccacc aacatctgtt gctttctgac ttttttgataa 5040
tagccattct gatgtgtgag atggtagccc attggggttt cttttttttt ttttaagaca 5100
gagtctcact ctgtcaccta ggctgtggca caatgttggc tcgctgcaac ctctgcctcc 5160
tgggttcaag tgattctcct acctcagcct actgagaagc tagggttaca ggcacctgcc 5220
accacacccca gctaattttg gtatttttgg tagagacagg gtttagccat attggcaagg 5280
ctggtctcta actcctgacc tcaggtgacc cacctgcctc ggcttccaa agtgctggga 5340
ttgcatgcgt tagctaccat gggtggtttt tgacttgcat ttctctgatg attagtaatg 5400
atgatccttt tttcatacat ttgttggcca cttgtatgtc ttcttttgag aagtgtctgt 5460
tcatatcttt tgcccatttt tcaatggggt tgtttttttcc ttgtccagtt gtttaagtta 5520
tttatagatt ctggatatta gtcctttgtt gggtgcataa tttgcaaata tttatctca 5580
ttctgtaggt tatctatttta atctgttgat agtgtctttt cttgtacaga agttgttcag 5640
tttaattagg tctcacttgt caatttctgt ttttgttgta attgcttttg aggacttaat 5700
```

```
cataaattct ttcccaaggc ccatgtccag aatggtgttt ctgagatttt cttctaggat 5760
tcttttactt caaggtctta tatttaaatc tttaatccat ctggagttaa ttttttgtatg 5820
tggcaaaagt taggtgtctt gttttatttt tctgcatatg gctagtcagc tatcccagga 5880
ccattcattc actagggagt cctttcccca ttgtttactt ttggcaactt tgtcaaagat 5940
tagatggctg taagtgtgca gatttatttc tcagctctct attctgttca actggtgtag 6000
gtatctgttt tcgtactagc accatgctgt tttggttact gtagtcttat tagtatagtt 6060
tgaagccagg taatgtgatg cctctggctt tgttcttttt gcttaggatt gcttttttggg 6120
ctctctgttg ttgttgttcc atatgaattt taggacactt ttttccaatt ctataaaaaa 6180
atgacattgg tagtttggta ataatagcat tgaatctgta gatagattgc tttgggcagt 6240
atggccattt taatgatatt gattcttcca atccctgagc atggaatgtt tttccattta 6300
tttgtgtcct ctctgatttc ttttagcagc gtttttatagt tctccttgta gagatctttc 6360
acctccttgg ttagctgttt tcctaggtat tttaatttttt tgggcctttg taagtgggat 6420
tgcaagcttg aattggttct tagcctgaat gttattggtt tatagaaata ctactaattt 6480
ttgccatcca ttttgtatcc tgaaacgtcc ctgagtcatt tgttaattcc cagaggcttt 6540
gtggagtctt taggttttct atttttagaa tctattcttc ccaaagagaa atactttccc 6600
ctctctttc ctaatcggac cccttttattt attcctttgc ccaaggcttg gaaagcccctt 6660
ccatactttt ttaaaaagaa cgtggaaaaa ggcccctttc ttattctcgt ttaaaggaac 6720
cttccattttt cgctgtcaaa tggnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 6780
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 6840
nnntttgttg ggaatatccg gtgcttattc ctcttcagga gttttattct tccaaaaatg 6900
cagcttttca ttcctcctcg tttttctttc tgtgccaaat gcctccagcc tttccatgtt 6960
ggtgcggtaa gctagacatt tttagtttgt agtgattgtt ttcgtttgtg tttgtatgtt 7020
tttgtgccca tagtcacttc tgtaatgttc gtttctgagt ttcctttggg gggattaacc 7080
tgccactgaa gtgtcagctt ccctgtcatg ggactgtcct tggaatgaca ggttttcctt 7140
ccaccatagg atctgccact gtgaaggaga tgatgagagc cccctgatca ccccctgcca 7200
ctgcacagga agcctccact tcgtgcacca ggcctgcctg cagcagtgga tcaagagctc 7260
cgacacgcgc tgctgcgagc tctgcaagta tgagttcatc atggagacca agctgaagcc 7320
actgagaaaa gtacgtggga ggaagggatg cttcacccctt cctgaaacca gtgaccccca 7380
gaaagctggt gtctcagatc atgaggtcat ggcttgcctg cgttcatttc cttaaaaagc 7440
tggggctggt gcttacattt gcattgtaga gattgttgtt tctggtgctg attttcaagt 7500
ccctcttctc aggaagaagc tctttctgac cattcataat ccttctttttc ccttcaaagt 7560
aagactgctt gcttgtcggt gtcagtcctc tggcctttga ctacagactg tttgtgacat 7620
atcttagcac ctaattttat acatattaac tgttgacgtc ctgcttctct gattaggact 7680
gtctgttgga gattagtatc tccccagcac ccagcacagt gtagcataca gtaaatttat 7740
ttgtatacac ccatgataac tatttgctgg atgggagtgt gagtaggtgg ataggaaaa 7800
gaaaggaagc acaaacgttg cgtgatgtgc aactgtcttc agaaaggacc cacaggcatt 7860
gcatgacacg cagctgtctg gaggcccatg tcactgctcc ctctgagagg agctttgtcc 7920
gccacactgg cttcctgttt aaattttgac tgtttcatat atctctctag atgcccagca 7980
caaaaggttt tgtctggaag aataaaaaac tgttcctatc tcagaacatt aatatataaa 8040
ttgcaagata agtcacataa tcaaatacta gccaattaaa tgctaaatgg tgtgctggta 8100
gagcataaca gtcattcaga aaaggaaatg ctcattatga gctagagtgc tggggaagtg 8160
gagcgatggt agcctcatag ggtgtttggg ttttagagca gttcttgaag gatcactagg 8220
atttggaggc agagtgcaag gagtttagag aggtcaggct gtctgtggag taaagcatac 8280
cctagaaagg tgaaggtgaa cattgacagg gtgtcaagct acgtgcgttg taggaagtag 8340
caggagcat ggggcactga ggcactgact ctgtattata ggtaggaaga ccagggaact 8400
tgctagtgta taaaatccca gcagaaaaca accagattta gagaaggctt gtgcaaactg 8460
cttaaaaaaa tgttttgccc agtagaaacc ttgtaattta ttgggtgcct actctatgct 8520
aatctctcaa catgggaagt ccttgaggct ctattttcaa ctaccctgca tagactcatc 8580
tggaaagagg ctgtgactag ggttggcaaa ggatatgtgc agagtgttta cacattgttc 8640
tttctctcta cctttatgtg ttttctcctg attcggaaac cagtaaatga aaaagaaagt 8700
ctggctattt ggagtaaatt aatgagctcc tagaggagat gggactagca gagtctgctt 8760
gtaccaggaa ctcttagcgt cgatttcgag ctgttgctgc caaagtagca aggaccaaag 8820
agtgagcgtc ttctgccatt caccttcaca atgtagtgtg acccatctgc tagtgtgttg 8880
tggcatcatc aaccctcttc ttccgctcgt ccatgccagt cagcacatca gggagactta 8940
aaacgtagta cctgggtcct gggccaacat actgttttca ttaggactga aatcatagaa 9000
ttctttatca ggccatctta tgtctgcttg caagaataag cagacaaggg gattttttgat 9060
ggtagttctg cattcatctt gatcctggct tctttttcatt gcatagaaag ttggctgcac 9120
```

```
ctggtacctg gttgaagcca agtggtttta ggagaacaat acttggggga atgcatctag 9180
tttgggaagg gagaagtggg gtggaaagcc aatcttacct acctacaatg ctctcacccc 9240
accggagccc ttccccagaa gcctgagcct cacactctgt gttgtctttc tagtgggaga 9300
agttgcagat gacgtccagc gagcgcagga agatcatgtg ctcagtgaca ttccacgtca 9360
ttgccatcac atgtgtggtc tggtccttgt atgtgctcat tgaccgtact gctgaggaga 9420
tcaagcaggg gcaggcaaca ggtgagttct caggctggag caagctcagc atgggggccg 9480
ggatagctca caggagtcct ggggtcagag gattttccag ttagccaaaa acgtctgggt 9540
ttccggagga gggacatcag ttaggaggca ctagcctcct tttttggcatt tcttttgctg 9600
tggtggtagt ttttgaaacc cagtcaggag agttcatatt ctggagcatg agaatctccg 9660
caaactacat cctataaaag caggaagtag ctggacactg tcttccactc ttctttgact 9720
gagcaacatt ggatgagttg tgaatccatt ggtcagtggt gcaggcttgt ggtccccaga 9780
tacttgaggc tgagggatgg aggattgctg aggctcagga gttcaaggct gtagtgtgcc 9840
atgatcacac ctgtgaatag ccactgcact ccagcgtggg caacatagca agactccatc 9900
tcttaaaaaa caacaacaac aacaaaggtc ttcaccaggg atctgcctag gtcagcgagg 9960
tggttcatca agannnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 10020
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnggagtgt 10080
acttcacccc gtggtgaaga tgcggcacag actggcgttt cctacggcgc cttcactgga 10140
aagcgcccct gtggtcctgg ggagagggcg gctccatccg ccacccttcc cggagctgcc 10200
cccgcccatt ctcatgggag gaaatcgcag ggcgtgtgag cccccgaccc ctcgcccca 10260
cctctgccag gaccggccgc atttctgcac tgtcccgccc cactgggaag gaaactctct 10320
ttctcaattt cctttaatga ggacattgtc ttttcagccc tgccacccc tgcaatcgtc 10380
ttccaggctg caaacagcga gtggggaggt gaacacatca gctttttcctc cctccacacc 10440
accaggaaat ttcgcaaacc acttggctct cggcggcctg gcctcgccac acctgtgccc 10500
acagtctctc tccgctgcag cccctgtgc cattctccag gccccacgta cctctgcctg 10560
ggcccagtaa gacctggtca gatggccccc ggctgcaaag ccttcctggg ccccatcaga 10620
gaggacgccc aggtgaagcg agggtcccct gcccaccctg caagcgcagg ggcccttcca 10680
agagtgcagc cctaggccgg tgtgtgatgg tggagacgcg gtcccagagg gcctgaacca 10740
agaatggaga agacaaaggc tgtctttagg gagaaacttc cctgaggggc tgatgtgtgc 10800
gatcccattt taatctcaca accctgggga ggagctgggg ccgggtctca ttgttcattt 10860
gaggacaccg aggctcaggg aacttagacg actttcctag ggtcccccca accccaccg 10920
gcccagggcc ctctcccagg caccctcat ccccacacag gctcctctaa gctgcttcct 10980
tgtggtccag ccccttggc tcagctcctc aaatacaggg acacctcttc tctcccccgc 11040
agaactcaag ggtctccatc cactgtgcca gcacagaggc ggtgctcaga gtggggctaa 11100
gcttactgtc cagcctgctg ggccaggagg ggcagaaggg cccctctcag gattccttcg 11160
ctctgctcct gccaataggc catcactcaa ggggctaatg acaggacgat gtggagaaac 11220
gtgggctgca gcacttctgg ggccaagggc agggtgggcg gcactgggga gtacagggga 11280
ggggacctca ctggggccag aggcttctag aagcttctgc aagaaggggc ccctcaccca 11340
tgtcttggcc aagaagtggg gagggtgggt gtggcaaagg aaacagctag gtcagagaca 11400
agagatgctc tgcaaagccc tgctggctcc ccacggtgga gcatcctatg catgtaggac 11460
ctgagagatg gcaggggcgg gtgcgtccct atggatgtat ctccatttct gggcagagac 11520
atctgggctc tcacctgcaa ttgagccaac caagaaatta tatttacttt ttagagcgag 11580
cctccaacaa attatacaag cacttgagaa taagccctcc cactgtcttg agagatggag 11640
cccagggagg cagctggaaa gatgctcctg ccctcactca ggagagatgg tggagctggg 11700
agaggaggag gcactccctg ggacccagca gatggacttg actcagcaaa tagatgcaac 11760
catatgtggg gggtggggag gcccagaaag gcattacagg ccagtgttct taatcctggc 11820
tatacactgg aatccaccag tagccctaaa atataactgt gctggacttc ccctggttcc 11880
acagtttgtg cagagtgggc agcatggagt ctgtaacact aaacacacag gattgagaac 11940
catatgtcta ggctgttgtt agccatgatg gggatacatg aaaaggaggt gcacagttac 12000
cttctatacc acaggatagg tgctcattaa accctgttaa aatggactgt gacccagctg 12060
gcactcaggg gcactcaggg gccaggtggg tcacactttc attttaatag gatttaatga 12120
gcacctattc tgtgacagct gctaagatac agaggctcct gagatacaga gatgacaatg 12180
accttcagaa acactgaaca gagataagaa aggcacagtc tggccttcac tccaccatta 12240
attcctccat ccatcatcc atccatctat ccatccatct ctctgtctat acttccatcc 12300
atccaccatc cattcaccat ccacccatca atccatccac ccatctatcc atcatccat 12360
ctcactatct gtcatccatc catccatcca ccatccatga atccatccat ccgtatatca 12420
atttctcatc tatctctcca tccatcccc atccacctct tcttccatcc ttcctccttc 12480
ccttcatcca tccattcatc atccatccct caacccatcc atctgcctgt ccatcggttt 12540
```

```
gattgtccat ctgtccagta ttcctccatt ccctccaaac tgggtggcag tactctccac 12600
ctcactacct caccatcctt attattccct ccaaactgtc tctttcacaa gggccttctg 12660
tcctgcctgt cccatcctgg tctgggacct atcccactaa agctacatgg ctttgatcaa 12720
caatcccaat cccagagtag gggaaggggaa-gtgagcccct aactgccgtg atgtttccag 12780
ggagatggtg gatactgctg cattactaat ccagatgtta ggtttaatt tttctctcca 12840
gtagacccca attgtggtag gagaaaaatg ccccagcttt ggacacaaac agacctggat 12900
tcaaatcctg gttttgccaa tttctgccta aatgactta ggcaaactcc ttgaccttga 12960
ccccttggag actcagtttc ctcacctaga aatggtcaat aatattattt acctcccagg 13020
atggccatga agcttaaaat agattattgt accccccaaa acaccgacac aatgtttaga 13080
aataaataat attattttaa gctttgaagt ctggctgggt tctcagcctc gtctacctgc 13140
tgggtgtgca gactcaaagc cagggtccca ccctcataga ctgtcatctg tgggtgtggg 13200
gttggcctgg cactagcagg tgctaatgct cctcagagga ttctaggtgt aaaaggaaat 13260
gaaaatcttt ggaccccaat tcactctgcc aaaagggaaa aattaagctg aaagctgagt 13320
gatgcaagaa acgaagatag ctacagataa aaggtgaaaa cctccacagg tagctcttgg 13380
tgttcacctt atcaagtgct gatgtactaa gcgcaagagg aatacataac tgactattcc 13440
cctacctgct ccttttcttt tgcaacatgt ggattcagta acgtgaccat gccctccctt 13500
tcttccttcc agcctgttct cctttaaata ttgatgccct taaagacatc ttcggaaaaa 13560
ggcacagtcc accaactgtt cctgtggatt tgtgttcctt ttttccgtgt atgtcttttt 13620
ttttattatt atactttaaa ttctaggata catgtgcaca acgtgcagga ttgttacata 13680
tgtatacatg tgccatgttg gtgtgctgca cccattaact cctaattagg tatatctcct 13740
aatgctatcc ctccccctc tccccacccc atgacaggcc ctggtgtgtg atgttcccct 13800
tcctgtgtcc aagtgttctc attgttcaat tcccacctat gagtgagaac atgcggtgtt 13860
tggtttttg tccttgcgat agtttgctga gaataatggt ttccagcttc atccatgtcc 13920
ctgcaaagga cattaactca tccttttta tggctgcata gtattccata gtgcatatgt 13980
gccacatttt cttaatccag tctatcggtg atggacattt gggttggttc caagtctttg 14040
ctattgtgaa tagtgccaca ataaacatac gtgtgcatgt gtctttatag cagcatgatt 14100
tataatcctt tgggtatata cccgataatg ggatggctgg tcaaatggt atttctagtt 14160
ctagatcctt gaggaatcgt cacactgtct tccacaatgg ttgaactagt ttacagtccc 14220
accaacagtg taaaagtgtt cctacttctc cacatcctct ccagcacctg ttgtttcctg 14280
actttttaat gattgccatt ctaactggtg taagatggta tctcattgtg gtttttgattt 14340
gcatttctct gatggccagt gatgatgagc atttcttcat gtgtctattg gctgcatgaa 14400
tgtcttcttt tgagaagtgt ctgctcatat cctttgccca cttttttgatg gggttgtttt 14460
tttcttgtaa gtttgtttga gttgtttgta gattctggat atcagccttt tgtcagctga 14520
gtagattgca aaattttttt cccattctgt aggttgcctg ttcactctga tggtagtttc 14580
ttttgctgtg cagaagctct ttagtttaat tagatcccat ttgtccattt tggcttttgt 14640
tgccattgct tttggtgttt tagacatgaa gtccttgccc atgcctatgt cctgaatggt 14700
attgcctagg ttttcttcta gggtttttat ggttttaggt ctaacattta agtatttaat 14760
ccatcttgaa ttaattttttg tataaggtgt aaggaaggga tccagcttca gctttctaca 14820
tatggctagc cagtcttcac ccggggctga aggtaccgct tnnnnnnnnnn nnnnnnnnnn 14880
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 14940
nnnnnnnnnn nnnnnnnnnn nacaatgaga acacatggac acgggttggg ggggtatcac 15000
acactggggc ctgttgggct atggggggct ggggagggat agcattaggg gaaataccta 15060
atgtagatga caggttgatg ggtgcaacaa accaccatgg cacatgtata tctatgtaac 15120
aaacctgcac attctgcaca tgtaccccag aatttaaagt ataataagaa aaataaaaat 15180
aaataagtta aaagagatta aaaaaataaa agagaacatt tgccacattc agtctttcta 15240
gatggaaaga ggttgctgac atatgataga attagaaaat cacacatctt gtaaattctc 15300
atttgtttaa aaagaaatca tacaaattag atgttttttg gagatgactt tttaaaatag 15360
agtcgttaga tcacctctgt aagggatatg tctatatctg ttcagtgggt taggggacat 15420
ggatctggaa agcctgagaa gaaaaagaag gttctatacc agacttgtga tatttagaca 15480
ttttcatatt ctatccattg tttttgtgtgc attttattcc tcactattgt atatatagtt 15540
gacaatgcta aactttttttg tgtattcttt ctatgtgttc cgaatgccta atatatgtca 15600
aaattagcgg tagtaaaata atattttgta aatatctttt tgctaaaatt catatgaaat 15660
gttgttttttg gaggggaatg gccaaactac ctgttgagta atactcatcg tgtttgtgtc 15720
ctggttcagg ggaggaggaa ggaggggaaa gtgcagagag ctctatgccg ctgtgtttac 15780
agtgaggcaa gattaaccat tatctcttat gtctgtgcat tttgttttac ttatctgttt 15840
atgtagtgta tataaaggac aaacgagtcc taatttacaa catctagtct ttttagatgt 15900
taaagaggtt gccagtgtat aacaaaagta gagttagtaa actaatatat tttgtatatt 15960
```

```
ttgttttaaa attcctagga aagattgtct tcctatcttt gagcattctt gcgcactgag 16020
ttgatggaga tgggagggat tctaagctag gatgttctta tttggaagac tctttcaaat 16080
tataactatg gttacatgta tgcagtttat tcgagactgc tgtgtatata gtggacaaat 16140
taactcctta cttgaaacac ctagtttatc tagatgttta gaagtgcctg atgtacgtta 16200
aatgtagagg taataaaata ccactttgta aatatctttt tgctaaaatt cataggaaat 16260
actgtctttt agaaatttaa ttgttaagcc acctttgtga gcagtatagt actgtctata 16320
cttgttcaat ggtttagagg aggtgggagg gaagaaaaat atgtgactga cttatttcac 16380
taagcctaat gtctttaagt ttcattcatg ttgtggcatg tgtcagaatt tccttccttt 16440
ttaaagctga ataatattgc attgtataga tatattacct tttatttatc catttatcca 16500
tcaatagaaa cttgggttgc ttccatattt tagctatcat gaatattgct gccatcaaca 16560
tgttgagttc ctgtattcaa ctctttgggt aatacccaga agtgaaattg ctgaataagt 16620
atggtaattc tctgttaaat ttttgaggag ctgctgattc atactttttac gtataaaata 16680
ttagacctta aatgtattat gtaaaaacac taagtatttt taacattcta gagtaaagaa 16740
ggtgtttctt agcaagacag aaaagctgaa accctcaata gaaaagcctt gttaatgtta 16800
tcacataaaa tattcaaaat ttctgaacac acagacacac acgcactaac gaaaagctat 16860
ttacaacttg tggtagatga agaaataatt tcttaacata gcaagaaccc aggcaaatga 16920
ttaagaaaaa gaataatcat acaaatttaa tacatgtgag aagctgttca gcctttccca 16980
ttaattaaag aagtaaaata taaaacaaaa catataattt ttcacttagc agagatgaaa 17040
taccaaaaca gatgggtata ggtgtggaac atacttcctt ggttgacagt tagccaatat 17100
ctattaaaat cccttgccac agtaatttca gttctagaca tttgtcttat attactgtat 17160
ttattctgtc ctgtaaccat aaattccaca gctgcctagt gatggttcta tatttaaatg 17220
gaatgcttac tctcagtatt gttttttctt ttgagatgga gtcttgttct gttgccaggc 17280
tggagtgcag tgccatgatc tcagctcact gcaacctcca cctcccaggt tcaagtgatt 17340
ctcctgcctc agcctcccga gtagctagga ctacaggtgt gcaccaccac gcccagctaa 17400
tttttgtatt tttagtagag atggagtttc accttgttgg ccagtatggt ctcgatctct 17460
tgacctcatg atctgcccac cttggcctcc caaagtgctg tgattacagg tgtgagccac 17520
gacacccagc cagtattttt ttttttaaac cacagcttct tcattttgag tcatctctaa 17580
atagctgcaa tttactataa cttagggttt acaattttta aaattgtgta tgttaaggta 17640
tccacatgat gtttgatata cttcttttga cataaatata cacaatgaag tgattactac 17700
agccaaataa tgattaccat acccatcatt gctagcgttt agaaagacaa ctgattttta 17760
tgtgctgata ttgtaccctg caaccttact gaatttacta aatctagtag ttttttggtg 17820
catcctttgg gattttctat taacagaatc atgccttctg caaatgtaag taatttagct 17880
gcttcttttt aaatatgtat gcctcttatg tcttttttctt ggctatgttc ttttctctgg 17940
ctagaacttc tagtacaatg tccagtgtca gtgttgaaaa tgggcatcct tgtgttgttc 18000
ctgattttag gagtaaagct tacagttttt ctacccctga gtatgatttt agttgtgaga 18060
ttttcctata tgcccttat catgctaaga aagttcccctt ttatttagt ttgctgattt 18120
tttaaaatta tgaaagggca tttaatttta tcaaatactt ttttctgtgt ctgttgagag 18180
tttggccatt tttttctat tgaaatggtg tattatggta gctgattttt ggatgtgaaa 18240
ccaaccttgt gtccttggga taaatcccat gtaatcatgg tgtataattc tttctatgta 18300
ttgctggatt tggtttgcta gtatttttgtt gggaactttt gtgcccataa gataagaggt 18360
attgatctat ggttttcttt tcctgtgatg tctttatttg gtttttgtgt cagggaaata 18420
gtggcttcat aaaaatgttca agaagtgtac cctcctcatc tttttgttgg aagagtgtga 18480
aaaattggta ttatcaaatg tttagtagaa ttcaccagtg aagccatttg ctttttcttt 18540
tgggtagttt ttgattactg attcattctc ttaatttgtt ttaggtctat tcagattgtc 18600
tgtttcttct tgagtcagtc ttggtagttg tgtctttctt gaaattttttt catttcactt 18660
aaattatctt atttgtcagt gtacaattat ttttggtatt cctttataat ccttttttatt 18720
tctttaatgt cagtagtaat gtctcttctt ttatttctga ttctatagtt tgagttttct 18780
ctcctctttc cctgatgaaa ctgaagtttt ttccatttta ttgattttttt tcaaacgatc 18840
aaattatttc attaatttgt gctgttatca ttatttcctt ccttctgctt acttaaattt 18900
agtttcatat tttttgtaag tgtcttaagg tagaatttta agttattgat ttaagaactt 18960
tcttaataca agtgtttaca gctgttgata ttactctaat tacttcttta gctgcatcac 19020
aattgttttg gtatgttgtc ttcattatta ttcgtctaaa aatattatct aatttctgtc 19080
ttgatttctt ctttgactca tgaattgttt tagagtggaa atttcatttt aaatttccaa 19140
atatttgtga atttcccaaa tttcccctgt tgttgatttc taatttttatt ccattgtggt 19200
taataacata ctttgcatta tttctatcct tcaaatttat tgaggtgtgt tttatggcct 19260
aatatgtggt ctatcttcta gaatgttcca tgctcacttg acatgaatgt atactttgtt 19320
gttgttgtta agtagaatgt tccatagtcc ttgaggtcta tttggtttgt agtattgctc 19380
```

```
aagtcctctt tttccttgtt gatccgtcca gttgttctat ccatttttga acgtgtagta 19440
ttgaagtcct tgactatttc tgttgactcg gttgacttgt ctatttcttt cttttctcag 19500
gtctgttttt gtttcattta ttttggtgct tcatatatat aggtgcatat atgttgataa 19560
cagttatatc ttcctaatgg atggattcct ttgtaattac aaaaggccac tctatctcta 19620
gtaacaattt ttgtttttaaa gtctatttgt ctgatatcag tgtactgact ccagtgtttt 19680
tgtggttgct gtttgcataa tatatttttc ctgttctttt actttcattc tgtgtcttcg 19740
aatcaaaatt gtgttttctc cagacaatat atacttcatg ttttcttatc caatataaca 19800
cctttgcctt ttgattgcat tgtttattcc attcacactg catattatta tttagtggga 19860
tttatgtctg tcattttagt tcttttttgt ttttgttttg agacagaatc ttgctctgtc 19920
acccaggccg gagtgcagtg gcgtgatctc ggctcactgc aagctccaac tcccgggttc 19980
aggccattct cttgcctcag cctcccaagt agctgggact acaggtgccc accaccactc 20040
gtggctaatt ttttgtattt ttagtggaga ctgggtttca ccgtgttagc caagatggtc 20100
tcgatctcct gacctcgtga tctgcccacc tcggcctccc aaagtgttgg gattacaggc 20160
atgagccacc gcacgcccgg atttttttgtt ttttatatgt atcatgtctt tgttgttcct 20220
gttttgtctt tacttctttc tatttcattg aattaatatt ttctaatata gtatttaagt 20280
tttattaata atttttatcac tgtattttta tttttagtgg tttctctagg attttctgta 20340
tatatcttat cagtatgagt ttcagattca cactagctta attccagtaa tatgtagaaa 20400
tgttactcat gtagaactta attctcttgc tcttttgtgg ttattttatt tatattatat 20460
caattaatgt tacaaagata tacattgttt aaattattat tggtgctatt attagcatac 20520
ataacaccca catattaaaa ttgtatatat tgcatatatg tattatagaa ttgtatatat 20580
tatagggcca atagtatatt gtatacatgt tattttatat aattgttttt aaaatgagtt 20640
aagaaaaaag aaaaatgcat ttctactgtc tattatagaa aaataaattac atcatactga 20700
acgtcttcac cnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 20760
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn ngctctaata 20820
aatttgcggc cgctaatacg actcactata gggagaggat ccgcggaatt cctaaaagaa 20880

ttgctgagac aaagtatatg tgcctttgtc atcctgaggg cagttgtcat cctgtggagg 20940
tttaccattt gctctcccac cagcaatgta taagcatacc tgcttcccaa cacttccgcc 21000
aacacatatt atttgattaa ttttcttggc tgataatggt atctcattgt agttttaatt 21060
tgtatttctc attgtgagag aaatgaagca tcttttcatg ttttgagagc catctgtgca 21120
tcttttccca ttgtttctgt taagtcattg atttgcagta ctgtaatttg tgatgagttg 21180
taaacatgag ctcttctggc ctcttaacca tccttatcca gcctgtcttc acgttcctcc 21240
ttgcctaaaa acaagctcac tcaaacagat cattcctgtg gccctctccc ttttgaaata 21300
aatcagatgg gcaaatttgc ttttgttagg ggcctgagac ccaaatgttt aaaagtagct 21360
tagctgatga gtgaaaagga ggcccagttg ggggttgcac agaaaatgag gggcgtgggt 21420
aatagaggag gctgggcagt aacctggcag aaggcgccag aggccaagga aggtgcgctg 21480
gtgtcctgca gtgagaagga tgtgtgcact atcaactggg taaacacact gctatagctg 21540
ctccagcgac agcaggcact ctcagaaggg aactgagaaa aggggaatgc cagtttctgc 21600
caaggatata tggaaaagtt ttttttcccc gtatgttctt tggcaacctt gttaaaatca 21660
tttaaaatgg tgaatttgat aacaaagcca gccactaaaa gacttggatg tagcaaaaca 21720
aattgtcaaa aagtatttat catttctaag aaataaaata aactgggatt taggcttgga 21780
tagaaatcca gaggtttgtt ttggcataat taattacaac atctgaagaa gggaggattt 21840
ttacaagaat ttttttttt gtagtgagat tgctttatat tccttttcat gactggagag 21900
tctgtcattt ggcaacccgc aaagaacttc aggaacagag ggcctaagtt ttcttgacac 21960
atttggattt ttgcatgatg aacatttgca ctttttattag taattgtcga gtcgtgtgtg 22020
gtctgatcct atggagagga gagtgtaggt gtnntctctg gagctagtac ntgcccccgn 22080
gctcacacgt gccacactgc ctgctgcttt cangaaagag caggacggct ggtcctgtcc 22140
catctagtga ggtcctgtcc catctagtaa ggttctgtcc tcagagctcc taagaggga 22200
ttgctggcct ttgattacac tggcttccag aatctgacca tggaaccatt atttgaagct 22260
gtcagcttca ttttgttgtt gatcaggcca gtctttagg tctttgttgg ttgatagatt 22320
tctctcaggt ctatagcagc aacaaataaa gctctttaaa attattttct tgaccattct 22380
gcctatggat tggttctgac ctttgaaatg tttgctgtcc tttagatcgt gacagaagga 22440
gcctcttctg ggagctgtga agaccccaca gatctcactg gttttcttgc ttttattgga 22500
agagttagca tttgttgaag tttatattta tgtaaaataa caataagtag attttaaaat 22560
ttttctttaa attctgtgat ctaataagaa gagagactct ttctctgtca ttgggaggct 22620
tgatgaggat cggacatacc tgctgagagt atcctgtaat gttttcataa gattggaaat 22680
ggtgaaatga gagcagaaat gtaggcagag gatgccaacg ctgtttccta tttcctaagt 22740
```

```
aaaactgagc agggcagaat ctccccagcc ctgccagaac tcccttcctc cttgggtccg 22800
ctgtcactgt catgctggcc ttgacatctg ctacaagtgc acacacatgg ggaaccacac 22860
agggaagtga acacatgtcc tgacgtgtgt gtgtgcctgg tgtggctgct tccttgatcc 22920
aggctttgtt ttgttacgag gctctgccct cctaccttca ggccttgctc ctcatcatgg 22980
gcatgcaagg atggaatcgt taccccagag tacacttttt gacttggatt acttgtagtt 23040
tagtactgga gttcagaact ttaatttccc atcagaaacc tgcctcccgg acccaggaca 23100
ctgaccttga ttgggcacga tttttccagat aagaccttac ctcctcccaa cagggtttgc 23160
cttcccttca gaatacagga aagtacacgt ggttccaaga ggaccatgct cttactaaga 23220
taaaagggag gagggtgact aggtactttc ctctgctgcc atcccttgaa ggaagggggc 23280
ttccttcaat gcctcatcag ttccagggag tatgcttgac ccagcaacac agaggaagaa 23340
gtgacctcat agcaatgagg ggcaagcatg tggatattgc tgggtatttc ttcctcaaag 23400
tctacctggg gacaggtgat gaagacgctt acttctctgc aatacaccgt gatcaggctt 23460
tggtcttcat gacacatttt agccttgcct atgtgtgttg aacagagctg gtcatcctca 23520
gaaataaaag aagagagcaa taagtacagg aaggctttca gtcccagaat agtgttagga 23580
ctaaatgtca gagaacaggg ggactgtagg agtttgggga ccttagcatg gataccctct 23640
caatctgctc ccctgtggta taaacagtaa agcccattgt actaaaaggc cttgagtgct 23700
tgtctctggg gcaggtggag ccagtgatgg gtgccccgag aggaggatgc tggagagggg 23760
acagtgtcta aggcagttgg agaaaaagga caatggctta tgcagtcagg cctagaagat 23820
gcaagggatg tcacagcata gtgtccacag gcatccctag atgtctttca ttttgtttca 23880
ggaagaatat tgacaaaggt agtgatggga gggttatttc aaggatgcta ttttcatgtg 23940
tccaagtaaa cttaagattc ctaagaactt tgacctctaa tgcttttaaa gaccgtgtac 24000
ctcatgccca tatgcacatt cagttagaaa ataaatgtag attctttggt gaattcgaag 24060
atgtgctcat ggagtggcac agcgtgatct cagtgtacac atgaagcatg ctgatgagag 24120
cttcttggat cttgtttctt caggtggact tgcattaaag tgctgttgaa tctctgcact 24180
gggagtggga gcagccatgc gatgggtgcc ttaatccgag tgccatcctg gctctctcca 24240
ggctgcttca tttgctgtga ggggtagggg gaggaggagt ttccaggcaa tggccttatc 24300
tgttctggtg gttgaccaag ggtcgggggt cccaaaggtg gagttccagg atgagagtgc 24360
acccttgggg atggtactta gaaagagtgg ggactaggcc tcagccaggg aatggtgggc 24420
caggtggag ctcctttgta tcaaggagtt agggccaagg gccatgcagg tgggcctgca 24480
gaaggtgggt ggtgatatgg cctttctggt gataacagac tcgtggcact gtttttcctgg 24540
ggctgttggg gttgcatgga gcagattctt actcaggctt actgtcttaa ggagggaaga 24600
atgctttttt atgaatacgc ataggtctgt ggggctgtgg agcctgggga atccgaggct 24660
ggcgtgggag tctggggccc tctagcggtg gtggtgcatc ctcagctcag tgccactcac 24720
tgtccctatt tctctctgtc catttctctc ctcactgcag tgcttcctct ccttcctaga 24780
ttttttttctc taagtttgac tattcaccac cccagagact ctgttctatc ccatgacctc 24840
ttgctgtact ttctttcaaa tctaaatttt cttgattatt tttcttaatt tacagtttca 24900
agattagatc tgttgggagc attctgtgct ctacctcagc ccctggttga gctatggatt 24960
ggtgtccccc atggtgacgt ggtctggact cccttttgtg tgaagagctg tggcagggca 25020
gtgaggtttt gtggaactca gggagcatct ggcactatgt atgaggttgt gaggtgggag 25080
agagctctta aatctaccag ccttgttgat cttgggaact aggagagagt gctagggaag 25140
ccagtgccag caggcctgga gcctcatatt tctttggcat ttgtatgata ccttctagta 25200
cttcgttttt tgacttatat atgaactaac tcaatttaga tgcttagaaa ataaacggcc 25260
actggacctg caagagatta gtagtggtgt tccatagcct tagacatttc ttacactttt 25320
atccacagat aagaaaaaaa tagtgatatt tgatttgttt tgccaaggct tagaaggatc 25380
taatatgtgt tactcgttga gcagcgggaa gcagcagaca tttctagggt ttctccctgt 25440
caccattcag gagacagtgc acacaatccc cttggctctt acctgaacac tgaccacagg 25500
tctgtcattg caggctggga gtcctccgtc agcatcagct ccggctccgg tgtcctcctt 25560
ctctcgcact tctatcacgc catccagcca ggacatctgc aggtaacact ctgcttcaga 25620
tgctgccatg atcagtgtgc agccagaaat aagcattagt gtctgtaggt tcttgaattt 25680
ccatttgctt aatcaatctg cctttggtct aaacagttgg cgagttttat gtgtggtttg 25740
ctcaccaagt tacccatgct agtctcattt cttcactatg atgtctattc tcttttaaaa 25800
ttgttttttac tttctgtgct tttatcccac tgttctgcat gcagttccag tgcagtgttt 25860
tctgagtgtt gtcaccacag ttccgtgcag tctgctgttg tctcgaaagc tcctcactgc 25920
cagagttctc tgacacaagg gctcactgtg acagttatct gtaaggacac attacaggcg 25980
tcaaagagaa attcctttgg ttcagaatgg gcccaggcct tgaagcctgc taagaatacc 26040
aaagccagaa gaacactaaa gttctcaagg tccctcaatg atgtgggtga gaaggcgcag 26100
gatacttcag aaagttttgc ctatgtggaa agaacttgtt ctgaagggaa attaatactc 26160
```

```
cctcaagata cgtgtctcag aactaacagg tttcatcata aagaaaaaag aaccctgaac 26220
cacaaacctc ttggcaattc caaacattct tgtgtttcat gcctttctgc cggtcgctca 26280
actgcctcag aggtggaagc tggcaagggg ggcaggcccg gcctgctgct ggaagagaag 26340
gcggatggtg aggccacgtc ccgaagccgg caactgctcc agtacctgtt ctcactctcg 26400
cacggcttga gcgccagcag cctgcacagg ttccatgagc tggagagctg cgctgctcgc 26460
ctgcacactg ccaagtcctc cagcgggctg gcagggagta tgggcttctg ctctgacgag 26520
atgggagacg acgatgtctt tgaggacagc acatctgcaa aactgaagag tagggttctg 26580
cgggcgcccc tctgctccac ggaaaaggac agcgacctgg attgtccttc tcccttctct 26640
gaaaaattac cccccatatc tcccgtgtcc acgtcagggg atgtctgcag gttggtttgc 26700
caggaagtgc cattctagcc atctctgctc gcatcaggaa cctcctcttg ctttagtatg 26760
tgaagtttca ggaaaatgaa gtaataggaa gttgtaacca gttgtgggtt gatggttttc 26820
tccagaagaa tggagtatca atatcgtttg aaaaacttaa tttttatgat gtgagtccca 26880
agatagtttt acaaatgata aaagaggaag aagctggctg ggcgcagtgg ctcacgcctg 26940
taatcccagc actttgggag gctgaggcgg gtggatcacc tgaggtcagg agtttgagac 27000
cagcttggcc aacgtggcga aaccccgtct ctactaaaaa tacaaaaatt agccgggcgt 27060
ggtggcgggc gcctgtaatc ccagctactc aggaggctga ggcaggagaa ttgcttgaac 27120
ccgggaggcg gaggttgcag tgagccaaga ttgcgccatt gcactccagc ctgggcaaca 27180
agagtgaaac tctgtctaaa aaaaaacaaa acaaaacaaa aaaaaaaaga ggaagaagct 27240
acacatatta aaggccaagc tgactcttct aaactaaaaa taagtagact ttgcataaag 27300
aaactggaag aaagaaacta gtatcttcag ttttccagcc tgatggtcca gattttaagc 27360
attgttgcat ctcccagcct ctttttttaac ccttgctccc tacctacccc caaaaggtgt 27420
gtggggactg gctgttctcc agtagctcct tccttccttc tttttaactg aggtgtagcc 27480
acctatgtcc catcctaact ctgtttcccc cctttatctt cccttgtgca gcatccttgt 27540
ctggcctcca taattcactt tttgtcatga ctcttgtgcc ctcctcattc tgacctttct 27600
ccagtctccg ctccttagtg ccagctgtca tcatttctaa catttggatc agagatcccc 27660
tcactaaaac agcctgagag cctggctcct tccaggacga gtgccccaac ctgttctcta 27720
gctgctggaa aagacccctc tgtttcttaa aagcctgtta agttccttca ggctagtagc 27780
tacaccttgt tgcatacttc cttggaaata gagagtgctt tcaaattaat ttctcactta 27840
ttgctattag tggtcccaag aaaaagagat gaaattgcag catcttgtaa tggtgagttt 27900
tttaggtcta ggagagaggt actgtcatct ttgtttactt gctgagagac gacagaaatg 27960
tgtagttgtg gggtatgaag gtaaagtcag tgattatagc taaaaagcaa acgtcattta 28020
aggtcactgg tattttttgga tgttggaatg cagcgcttac catccataca agaacccgct 28080
gggagggcca agaccatccc gtgcgcggcg ggaaccgcga catccgccac tcggatgccc 28140
gctggagcgg gcggagaccc acgcgcgcgc caatgtcccg gcgcgcgggc tgctcaccca 28200
gggcagcggc gtagtcgccg ggggcacaag cccgagccgc ccggggcggc gcgcggagaa 28260
ggagcgcaga ccccgtgaac acgccggagg accgtccgcg cggcccgtcg cgccactgcc 28320
tactgccagg ggcggcgggt gacgacaaaa ccctcggtgc gccgcgcctg gcagtccgcg 28380
gcccccgccc ccccagcggc gcgcacccgg gggcgcgggc cgaacccggc aaggtgagag 28440
ggccgtggcg cccgggcgct gaccactatc attctccgcc acacggacga aggcaggagc 28500
accacgggcg gccggcgggc cgcccgctcg ggccaaagag cccgcccgcc agcggannnn 28560
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 28620
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnngagg ccgggcgagc gcaggcgggc 28680
ggagagcaga ccacgcggaa gaggccgaga gagaaagcgg ggcacccggc cgggggggtc 28740
atttacaagg gacgctgggc acgaaggagg ctggggcgaa gatgagtcca ggggttgggt 28800
tgagagcgct gcgcagccgg gctgagaaga gaagctgacg agtgactccc gacaagggac 28860
gggggagagg gaacctgggg gcaggcagag gcctagggg tgggctctga gggcagccac 28920
tcccaccggc cctcccccag ccccgcaggc cagccacatg ccccgtgctc cagacgaccc 28980
agctacatgg atggcagcgt cctgaagggg gatgatcggt agggagtggg tgcggaggct 29040
cacgcctgta atcccagtgt tcggggattc ccgagcggga ggatcgcttg agccggggag 29100
gtggaagctg cagtgatctg cgccactgaa ctcccgcctg gcggcagag tgagaccctg 29160
tttcaaaagg caccagggt gtagggaagg agcgatatcc cccaggcaag gaaggctgcg 29220
gagggccag gccaggagag aagggccctg agctcagtgg acggcaggg tgcctgtgga 29280
ggaagggagg gacgtagcag caggaggaag ggtgaggacc caggctgggg atcgggagaa 29340
gtgatggcgg aggaaagaga ggccggaaga ggaggggggcc tgctggcctg gcactggaaa 29400
gcaaagcgtg ggtttgtata tgggaagaag accacatccc ctcttatcgt catcccaact 29460
cagaaaccat ttggccccaa gtcaccaaag cactcatagg aaccactttt cctgtgacac 29520
aagtaggatt ctcccacttt taacttccca aatgctaccc gaaagcctct gaaatccttg 29580
```

```
gaaatttaaa aaataatccc cttctattaa ctgatgccta taaaacatat tgactttcat 29640
taaattttgt tatgaaatca gggatgtgtc ccattgtaaa ataaatttgt ttggaaaatg 29700
tagggtggta tcccatctaa aaatcagacg aggctagaaa atttcaattt tatttgctaa 29760
ggtagcatca tgttgttaaa aatgcatcat aaaataagac caagagttaa tacaaagcat 29820
gaagtcatgt ttccctcaaa aaaatgattt gttctgtagt caaattaatt tggaaaacat 29880
tgcaaactct tcagcagtgg ttctcaaagt atagcttgcg tcagaatccc ctgggccct 29940
tgctaaaatc tggatggcta cactccccgc ctagagtggg ttaaactcag tgcccactgg 30000
caggaaactg aaacttggct gaagtcaccg aggaggcctt ccccgttaaa cctctggctg 30060
gcgacagctt ggtttcctcg ccgctgcttc tgagtaattc tggcacgcag ttcctcctag 30120
ccacctgctg tacctggaag ggggccagcc ctcctcagca ggctttgctc ctgccctgca 30180
cagcacaact gtggcgtaaa aaatggaaaa gctggtagca gaaggaaaga gcagggagac 30240
agaggttagg tgaacctcaa tggcctcatt aaagcaaatt gagaaagaga gtttccttcc 30300
cagtgaggcg ggacagtgca gaaatgcggc ccgtcctggg agaagtaggg gcgaggggtg 30360
gggggctcac cgggcacatg gccaacagct ggtgcccagc ctgggccaca gtttggcaca 30420
ggagaaagct gaagatgcag gagaaagcta ggtcactgcc cctaggccag gtgatcaagg 30480
tggctgttac ctgcctgtgt ggccttgaaa aagcctggtg ccctctctgg cttgcagggt 30540
ccttcttttt acaaaagcgg gtcttcgaag ccctgaatat tccagttatc tgtaaggata 30600
tagaaatatt ttgcctctag atgacatgta aatatgttcc tcctaactcc acttcttcct 30660
acatctgtgg cttcttctga gaactaccag acccaccctg ttttcagagt aaacctcctg 30720
ttttgaggtc aaacagaccc agctgggtaa ttggtgactc actcctggtt cctccaaaga 30780
acaggggcaa gggaccaccc gggacctcag gtgccccagc acaggacctc tttctggggc 30840
accctctggc actgggccat cttcaggccc tacagggctc tcggggcctg cgtaggcctc 30900
tcatctccca gaaataagtt cttttcccca cccagactga caccagatgc tacagtgagg 30960
tttaccccte cagcttgaca agcattccta gcccagaaca ctcagctgac gaggggtgct 31020
ggggggaggaa ggaggcagca aggctgaaag aagcttctct gggtattcca gtgcctggct 31080
gctggtcgta gccatggtga gaccacagca gcctccctgg aagcaagcac ctgtgtaaaa 31140
gcccctcctt ccccacaagg ggctggatcc aagtgaagaa ggtaccagaa ggactggaag 31200
atgatgctgg tattattcga cagctccagg gtgctgtagc actgagcacc tactgtatgc 31260
agcccatcac aaagccagcc acactgccca ggctgtgcca tggcaacttc cagcagtaca 31320
ccctctcggt cacctgcagg ctccttgttc atcctgacac atgaggagaa aaagacagta 31380
ctcacaaagg cctctagcct tgtggcccca ggaccctctc ctgagcatca tggcctccta 31440
ggagacccag ggtagccagg acaaaggaga gaagcatttg ctaagctaag aaaggatgga 31500
aggggattgc tgttctgcct ggatgcaccc ctagacctgg cagggcaggc aggagagacc 31560
cccagtgtct cttgcttatc ctaggagttc ccccctgtgg ttgctccagt ttgctgcctt 31620
catgcatgtt cacagggtga ttcccctgag acaacagagc tgggatgtca ccaagccctg 31680
tgtcccatca gccaggctct ccccagcctc catcctctca ttctgctgga tcaggaggat 31740
gtggggaggt ccctgactcc ccagctttcc ccatgacaag gtgtgtgtct acagctcaga 31800
cccagccatg ctccacctga gaagtgggtc caggcagagc actgggtcct ggccacctag 31860
ggctgcctcc tcaggggtgg gcaggaaggg gagccactgg aggagtgccc cgggcacagt 31920
cccctgcacc aggtgaggtc acctcttagt ccatgaggcg atgctgcatg agccctctg 31980
gacactagaa ggcctgggct caatgctgag taaagtgcag gcatgactgt gccctcagca 32040
tgcatagggc agcaggcata gattcataca cgtgagtttg cacttaagct gcagtaagag 32100
ctacagagga aatgaacaga gacagcatca ctccagtgag ccctccagat acaccccatg 32160
tgcgcagtaa gagaatggca tagtctattg ggacagccac atcaaaatac cacagaccag 32220
atggcttaaa cggcagatat ttgtctctca caggtccgga ggctagaagt ccaagattag 32280
ggtgccagcc aatccacttg ctggtgaggg ccctcttccc agcttgcaga tgtctctgtg 32340
ttcccacagc atggtcacgt ggcagagaga gggggacagg gcatgaataa gccctcggtg 32400
ccttcctctt cttacgagga tgctaatccc atcacgggta ccccaccctc gtgacctcgt 32460
ctaaccctaa tcacctccca aaggccccat ctcctaatgc catcacactg ggggtcaggg 32520
cttcaacaca tgaatttggg gagcacaatt tagtccacag cagaaaagaa aggggcacag 32580
agcattccag cctgaaggaa acagatgtgc aaaggcccaa ggcaaaggcc tgagctctga 32640
ggggcaacca gagtcaaggc tgaagagtgg gcagtgattg agcactgacg gtggagaggc 32700
aacaggctat cttgttaatc tcagtctttt gtgtgccaga gagagaaact gaggcacagt 32760
gtgtcatggt gaacactggg cagcactccc acgctcctgt cctgcactct gcagggttat 32820
ggaggaagcc tgggaagtct ctcccctctt ttccaccttt cctggaccca tcccacaccc 32880
tgcctcctcc aggaagccct ggggattgct catacactca catctcactc cttagtacct 32940
gcagcctgca ttctgaattt agcaagctct ggccttgggt ttctattttc ttgtcctgtg 33000
```

```
cagtgagcat ttggaaactt ctcctcagca ccaaacacgg agccatttag cagaaaatac 33060
atgagttttc aagtcaattg aactgttcat cgccccaaaa gccaggcaac acggtagagc 33120
agctggatct ctgttcgtag aagctttctc agggactggc ccaccgagtg ggggactgca 33180
agtgcccgat gagtgaatga atgaacacat gtgtgaatgg aattcaaggc actgcaggct 33240
attctggagg gtactggcct gtctcttcga caggtgaggt gcagtagaac agcatcccgt 33300
atagatgcca gtttctgacc tggttctgaa aagccagtca cctacctctg cagagctgcc 33360
tggaggggggc gggggttgtg aggacccctg agagcttggt gtgaaggggc tctgcagagg 33420
gaggcatggc tagtgtgcgc aaggtgacct ctctcctggt ctgcaggatg gagaacctgt 33480
tcatcaaccg cttcatgcac atgttccagt cttcttggaa tgacttcgcc gactttgaga 33540
aaatctttgt caagatcagc aacactattt ctggtgagtg tgcctctggg ggcccaagtg 33600
gtgctgggga caggggatgc tgctctcctg tctgatactt gccgggaaat tgacaagggc 33660
cttcctgcct gctgcagcat gggggcctcg ctgccaccat gccaccctgg acagcacccc 33720
ctacactcca cacctttttac catcactgtg gtcacccttg tgcccagagg tttctcctcc 33780
tcagatattc aagctcgagc accctcaacc tcatttcact atcaaaagtc tcaaaagtat 33840
cagaactttt tcttggcaca aatcaatcat ttgtgcttct gaacagagca aaggcagaac 33900
ttggcttgtg ttttaggtat ttacacaaaa gcaactttgg gttcctttgg actaggatgt 33960
gtttgatgag agcactagct tcatagtggc cagtcatggc atgggaagga cgttaggaag 34020
gcaggaatgg ctggacaaga agaggtgctg aaatcaggac atggggaacc aaacttggca 34080
aactgccccc agggactctc ctccacgccc tccttcttcc atcctggaca ctccatgctg 34140
ggctgaagga cctgagtgct ccaggaggct tctgagccac gaagggccag ctcaggtatg 34200
atgagttggt gccacagcct gacccagtga tgggcagggg gcagcagttg gagctgtgcc 34260
catccaggga gcactcggga gaggagacca agcagggact ctgctcttag gtgaggtcag 34320
gagggccatg gccctggctg ccctctactc agagctcagg gtgggcctcg cttttctcct 34380
ggtagagcgg gtcatgaatc actggcagga agacctgatg tttggctacc agttcctgaa 34440
tggctgcaac cctgtgttga tccggcgctg cacagagctg cccgagaagc tcccggtgac 34500
cacggagatg gtagagtgca gcctggagcg gcagctcagc ttggagcagg aggtccaggt 34560
aggggttgat gggctgggga agtggccaag gtcacagtct gtcaggtgga agccagttcc 34620
tcctggccag tgctcatagg ccaccaagac gctaactgca ggcccatctg gcctacagca 34680
gccgcttcct tttcctggca gcagtgtcag ccagggtcct gggcattatg cagactgtct 34740
tgtgcaacat cagaggagga attgcgggga atgtttctcc atgatgctcg agtctgggaa 34800
cataatgtca atattttcac tatcagtatc aataattaca ggagctaccc ttgattaggg 34860
gcctgtggtg ggacaggcat tgtgacaggt gctttacaca caaggtcatc agttgtcacc 34920
caccttgcaa aggggagaac actggagaaa gaagcagacc ttgtgtgaca atacacaagg 34980
ggcacgagga gaacccaaca gaatggttga ttttctcgtt agaaatgctg ctgcccatgc 35040
tcctgtcgca ccctcctccc caccctcacc tgcagactca gctgcctccg gctgcaaggc 35100
tgacctagtc ttgagacaga agaagttcaa accaactcca cctggatctg gtggggctca 35160
gcaacaggcg ctggcccatc agcctgcctc ttccccatgg atccagcgtg atggggcctc 35220
ctgccaccca ggccctgctg cctatccccca ggtgtccagg tggcctctgc tgcttccagt 35280
cttttgagct cagcttaccc tgaggcccta gttggagagg gatggttggt gccctttaga 35340
gataaaccta cagccccagt acctggccca cctgaatcta gagggccacc cacccagctg 35400
aagtccctgg gcaagtctcc tgccccagtg caggcagtgt ttcctaacct cctcctcctc 35460
ctgcacccaa ccaggcccag aacacttcct ggtcatgtga acagctgaca gttacaatcc 35520
cccacacact gagagagcat ctgtgttcct gagtggactg aattgctaga tgtagtaaca 35580
ttgatttggt ggctataggt ttcaaacttc aagtcagaga tcatagaact ttaagccata 35640
tagaatccta gaattggaag actctgagca gccatctctg cacccagcag ccaaggagtg 35700
gccatcctca gcacctggca gggcatcagc ctcccactgg gagtcccggc cacctccagg 35760
gcacgtgggt tatgagtcac cttttccttttg agctgaccca cccctcactg actagactct 35820
taaacacaca ctgccccgtc taatacacac cagcatgatt cttaatcccc acagtcattc 35880
acgctgccca tctggcagca ccttaatgat ctacagcaag cttgtggcct actaaaaacg 35940
cctccattgt ttttttaaaat gtgcagttat tttccggatc atgaatagag aaattgtatc 36000
cctgttgttg gtattgattc agtgttccag ctcaagtttg agttcttaga ctttatattt 36060
ggattctttg gtttcaaatc acaaaaatca actccatctg gtttaatcca agaactctat 36120
tggctcaggc aacagtaaaa agcaatgcta actcatttgg gaccagggct cagatcatcc 36180
cctgcactgt ctctctctcg ctccatgtct caatcctctg cctctggtga ttttttcctt 36240

aggagggttt ccttatgtgg aggtaaaaaa tgatcaccgg cagcttcaga tttaccttcc 36300
accagcttag caaacaccac ccactcccag caagaaagac cctgtttccc aatgctccca 36360
```

```
gcagatgtct taggccatcc tcgggcctca ctgattctgt gagccagtgc ccacggccag 36420
gagaatggaa tacactgacc tagaggggac agggactcta gacaggcaaa aactccactg 36480
tcagaagcag aatcctaaaa tgtcagaact gaaaggtagg cccgcccctc gttttccaga 36540
aatatgaaag ggaggcttgg gataacagag aaatgctgca ggcattggcc ccaaatctca 36600
ggcctcctat tcccagtatc accttcacca gcctgggtgg tctcaagatt ggattagcag 36660
ccattccttc tgggtagagt ctgatggtca cttcagctct caaagtccag ctatccagcc 36720
atagtcctag aaggcaagac atcactgtgc ccgaccaacc caagggtctc cacctgcccc 36780
cctcaacaca aggtgccctg agtgcctccg cggggatagt ccccgtcccc acccctgctt 36840
cccccgccca tcgcgacaga tgctcagagc tcatccctgg tgtcacacca cataaaggag 36900
gagggcggtg gccaggctcc gagctcctgc cgtcctgggt gggtggcttc tgtcctgcgt 36960
gccgccgggc agccgggggg tcctgcgcgc gggcgcggtc ggtggagctg caggggggcg 37020
ctctgggatg tctccaggca gagtagatac tgacccctcc gcagccggga ccctcaccct 37080
ttccttcatc actcaggaaa cagaaaaggc ttcagaagga gcggccatgc ccccggccta 37140
agcgctgcgt tcccggccca gcaggcctac cctgcacctg gcgttcctag gggcccctct 37200
gcgggaccca ctgcgcggct cgcagcggcc gcccgcctcc cacttcaccg gcacgctcgt 37260
tgcgtgtcga ggtgtgttga ctcctacagc aaagggcacg gatccgcggg tcagcaagcc 37320
cgacgaattt acaccaatga cccgccgtgt cgccagtctc agaccagggc acaacacgcc 37380
aaccctgcag accaccccca cctccccagc cactgcagac ccttccccct ctgcttctgc 37440
agcacctgtc ccgaaacacg ctcattcccg cccccgcaga ccttccctac ctcctggaga 37500
ccccccctcaa cccctgtaga gtcccctgcc cgtgcagaat cccctccccc ttcccccgca 37560
gcccccctac cccacccggc ggacagcccc gctcgcttcc tgttcttctc ccaagggaga 37620
cccctgtcct ggctctgact ggggttgagt tcgccagttt tgacttatgt gtagagtctt 37680
caccacgggc tggaagtacg gtnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 37740
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 37800
nngagcgtac ttcagcccgg gtgaagattc cttacacctt atacaaaaat taattcaagt 37860
tggattaaag acttacatgt cagacctaaa accataaaat ccttagaaga aaacctaggc 37920
aataccattc aggacatagg catgggcaag gacttcatgt ctgaaacacc aaaaagcaatg 37980
ggaacaaaag ccaaaataga caaatgggat ctaattaaac taaagagctt ctgcacagca 38040
aaagaaacta ccatcagagt gaacaggcaa cccacagaat gggagaaaat ttttgcacct 38100
actcatctga caaagggcta atatccagaa tctacaatga actcaaacaa atttacaagc 38160
aaaaaacaaa caaccccatc aaaaagtagg caaaggatat gaacagacac ttctcaaaag 38220
aagacattta tgcagccaaa aaacacatga aaaaatgctc atcatcactg gccatcagag 38280
aaatgcaaat caaaaccaca gtgagatgcc atctcacacc agttagaatg gcgatcatta 38340
aaaagtcagg aaacaacagg tgctggagag gatgtggaga ataggaaca cttttacact 38400
gttggtggga ctgtaaacta gttcaaccat tgtggaagtc agtgtggcaa ttcctcaagg 38460
atctagaact agaaatacca tttgacccag caatcccatt actgggtata tacccaaagg 38520
actataaatc atgctgctat aaagacacat gcacgtag gtttattgtg gcactattcc 38580
caagagcaaa gacttggaac caacccaaat ttccaacaat gatagactgg attaagaaaa 38640
tgtggcacat atacaccatg gaatactatg cagccataaa aaatgatgag ttcatgtcct 38700
ttgtagggac atggatgaag ctggaaacta tcattctcag caaactattg caaggacaaa 38760
aaaccaaaca cctcatgttc tcactcatag gtgggaattg aacaatgaga acacatggac 38820
acaggaaggg gaacatcaca cactgggcac tgttgtgggg tgggggctg ggggagggat 38880
agcattagga gatatcctta atgctaaatg acgagttaat gggtgcagca caccaacatg 38940
gcacatgtat acatatgtaa ctgacctgca cgttgtgcac atgtacccta aaacttaaag 39000
tataataata aaaaaaaata aataaaaata aaaaataaaa gaaaatgaag aaaatcatgt 39060
catttgcagc aacatggatt tggctagagg actttatcct aggcaaacaa atacagaaac 39120
agaaaatcaa ataccacata ttctcactca taggggggag gtaaacactg ggtactgatg 39180
gacataaaga tagcaacaat agacactggg gactattggg gtggtgaagg agggaaggga 39240
gaaagtgttg aaaaactgtt gagtactatt ctcagtatct gggtaatggg accattcata 39300
ccccaaacct caacatcaca caatataccc aggttacaaa cttgcacaag tgccctctga 39360
atctaaaata aaagttgaaa aagcaaaaat aaaacagtaa acaacaacaa caacaaaaca 39420
gcaaaaccct caataaatac ataaataaaa atataaataa atgtctttgc cagagctttt 39480
tgttttttgt gtggctttga gttagtatct ggggtcacgt tgcttttaag ctgtttgcta 39540
tcaactgcat cctatctaat atttcttttt cttaatagta aaccactcaa ttttttgtgag 39600
gagatattac attgtggttt tgatttacat ttctctaatg atttcctttc cagtttggat 39660
gctgagcatt ttttcttatg ttttttgccc attcatatat aattttaaaa gaaatgtcta 39720
ttcaaatcct tttgccattt taaaatcata ttattttaa atattgtgtt gtagaaatta 39780
```

```
tttatatatt ctggatatta actctttatc agatatataa tttactaata ttttcttcca 39840
tccacaagtt tttttttaaca ttgttatgtc ctttaatgca taaaagtttt aaaaagtttg 39900
atgtagtccc aattgtctat tttttctttt gttgtctgta cttttggtgt catattaaaa 39960
aataattgcc atatcccctt attctaagag ttttatagtt ttagatcttc catttaagtt 40020
ttaaatccat tttgagttaa ttcttgtata tggcataaga caaagtttca acttcactct 40080
ttcatgtgtg gatatccaag tttcccaaca ctgtttgttg aagagaatgt tcttccctca 40140
ttgagcggat ctggaatgct gtaaatatta tttgaccata tatgtggagt tttcttttaa 40200
tgggttcttt attctattcc attggtctat atgtctctct ttaagccagt gtcatgctgt 40260
tttaattact gtagtcttgt aacatgtttt gagatcacgg agcatgagac cttcaactca 40320
gttagttttc aagattgtct agtcagagta tatatgaata tttagataaa tttttctctt 40380
ttttcaaaaa atgcagctta gattttgata gggattacat ataatttgta gactgctttg 40440
ggttctattg acttttcaaa ttaatacata atgttgtaca gatttgggga atacatctga 40500
tattttggag atcttaacat taaatcttcc aatccatgaa taccaatgtc tttacattta 40560
tttgtgactt cttttcagtac tgttttgtag ttttcagtgt acaagccttt tatttccctg 40620
gctaagttta ttcctaagta tttttactatt tttgatggta ttgtaattaa attattttct 40680
taattacctt tggattgttt atagttaatt tatagaaagg caactgattt ttgtgtgtcg 40740
attttggatc ctgcaacttt ccagaatttg tttaatagtt ccaacagttt tctggatttt 40800
atgcatatat gcatctaaca gtttttctaga ttttatgcag gagtctagga ttttatgcat 40860
ataggatcaa gtcatctgtg agcagagata attttacttt tttcttttat tctttggatg 40920
tcttttcttg cttaattttt ttttcctaat tggtctgctt ggaaattcaa atactatatt 40980
gaatagaagc gaagagacag agtatacttg tcttgttcct aatccagaag aaaagtttga 41040
atcttttacc attgagtgta agtttacctg tggatttttc atatatggcc tttattatgt 41100
tattttcctt ctattcctag tttgctgagt gttttcgtga taaaaggtgt taaattttgt 41160
taaacatttt ttctacatca atataaatga tcatgctgtt ttgtccttta ttctattact 41220
atagtgtatt acattgattt ttgcatgttg tattattctt ttttttttgag atgaaatctc 41280
attctgtcat tctggctgga gtgcagtggc atgacctcag ctcactgcaa catttgcctc 41340
ctgggttcaa gggattctcc tgtctcagcc tcccaaagtg ctgggattac aggcatgagc 41400
cagcacaccc tgccacatgt tctatcattc ttgcattcca ggaataaagc caacctgatc 41460
atcacaaata ttggtctgta gtttttctttt catgtaatgt ctttgtttga ctttgaaatc 41520
agggtaatac tggcctcata taatgagctt tgaagtgttt tttatattca ttttttgtaaa 41580
tgactttgag aaacattggt tctaattctt ccttaaatgt ttggtagtca tccggttctg 41640
ggctgttgtt tgtttggagg tttttgaacc agtttaatct ccttcgtagt tataagtctg 41700
ttcgtttttt ctacttcttc atgattcact cttattaggt tgtatatttc tagaaattta 41760
tgcacttcta aattatccaa tttgttgaca tataattaac tgttgatggt attttcttat 41820
aatccttttg atttctatgg catgggttct aatgttctct tttttatttc tgatttatta 41880
gttgaatctt ttttccttag ttaatctagc taagcatttg ttaattttgt tggtgtttttc 41940
aaaaaccacc tcttagtttt gttgattttt ttctattgtt tttatattct atatttcatt 42000
tatctctgat ttaatctaat ctttaggatt ttcctccttc tgctagcttt gggtgtagtt 42060
ttttttctct cctagtttcc tgaggtataa agttaggttg ttgatttgca aactttcttc 42120
tacttctttt tttttttttc ttaagttgtg gagatggggt cttgctttgt tgcccaggct 42180
ggtctcaaat tcctggcctc cagaagttct cctccctcag cctgtcaaag tgctgggatt 42240
gcaggcatga cccaccatgc ctagccactt tcttcctttt ataatgcaca tatttatagc 42300
tataaaattc tctgttagca ctgcttctgc tgcatcttac acattttggt acattgtatt 42360
tttattttcc tttatctcaa gatatttctt aacttccctt gtgatttctt ttttgaccca 42420
ttgcttgttg aaaactgtgt tgtttaattt tcacatattt gtgaattttt tgttttcctt 42480
ctgctactga tgtctagttt tatgtcattt tcatcaaaat agatattttg tataatttca 42540
atcttttaaa atttgttaca agttttttttg tggtataaca tgtgatttat ctttgggaat 42600
attccatgta aacttgagaa aaatactatt ctgattttat tgggtggaat gttctgcaca 42660
tgtttgttag cactatttat agtgttgttc aagtactgta tttccttatc gattttctgt 42720
cttgttgttc tagccattat tgtaagtgag gaattgaagt cgcctaccat tattatgctg 42780
tttatgtttc ctctctgatc tgtcaatgtt tgcttcagat atttaggagc tctggtatta 42840
gaggtatata tatttgtaat tgttatatct ttctgctgaa ttgacttttt gttatataat 42900
atccattttt ttgtcttgtg actattttttg actttaagtc tattttgttg gatagtagta 42960
tagtcacttc tgcttgcttt tatttaccat ttgcatggca tttacttttc cttttttttca 43020
ttttaagcat atttgtttct tagacctaaa tgacaggata aagttggatc cttttttacaa 43080
atccattttc cagtctatat cttttgattc aggagtttaa tccatttaca tttaaagtaa 43140
ttactgatag ggaaggacct acacttgcca ttttgttgtt tcctgtatgt tttgtaaatt 43200
```

```
ttgttttta  ttccttctct  tactgacctc  ttttgggttt  tgtcgatttt  ttttgtggt  43260
gacattttga  ttcccttcct  gtttcctttt  gtgtgtattc  tatagatttt  tttatggtta  43320
ccataagaat  tataaaaaac  atcttaaagt  gttaacaagc  tattttaaac  tgttaagaga  43380
ataacttcga  ctgtgtacaa  aaactatttc  ttcaaagctc  ctaccctcac  cttaggttac  43440
ttatgtcaca  agttacatct  tcatatgtaa  tgtattcatt  aacacagttt  tatagttatt  43500
tttaagcttt  tgtcttgtaa  attctataca  agaattaaaa  gtgcatttat  gtaccaaaac  43560
tgcatagtac  agtctctata  tatgtccata  tatttatctt  tactggagag  ctttatattt  43620
tcataagact  tcatgttact  atttagcatc  cttttgtttc  aacttgcaag  atactacagc  43680
aggtccagtg  gtaatgaact  ccccagtttt  tgttcatcct  ggaaaggctg  atttttcctt  43740
tatgtttgaa  ggatggtttt  gctggatata  atatttttgg  ttgaaatttt  cttttctttc  43800
agctctttga  atatattatc  cccctgcctt  ctggcctgca  aggtttctgt  tgataaatcc  43860
actgataatt  ttataaaggc  ttccttttac  atgacaagtt  actttctttt  gctgctttca  43920
agattgtctc  tttgtctttg  acttttgaga  gtttgattat  agtgtgtctc  actgtgagtc  43980
tctgggtttt  ctttaacatt  ttttttttgt  tcatatcttc  tgatgatgaa  ttcctttaac  44040
ttttatattt  gtgaaatgtt  ttttcttcat  tttcagaagg  tatttttagt  gagtgtaaaa  44100
ttctacattg  acagtttttt  tctttcagta  ctgtttagtg  tttctctact  gtcttcttgc  44160
ttgtactgat  tgtatagaaa  ctctgctgta  attcttatct  ttgtgtcttt  gtacttaatg  44220
tgccttttta  ctctgcctgt  ttttaagatt  ttattttttat  tattgatttt  gatcatgtgg  44280
cttggtgtga  gtttcttcat  atttattgtg  cttggggttc  attgagctta  ttaagtctgt  44340
aggtttatat  ttttcattac  atttagaaaa  attgtagcca  ttattcattc  aaatttttt  44400
ctgttcttct  cccatttctc  atgcccttat  ggggtctaat  tatatgtata  ttaggctatt  44460
tgaggttgtc  ttacagctca  cttacagttc  ttatgtttat  ttttccactt  ctatttcatt  44520
tgggcaggtt  tattatactt  ttccctaatt  tgctaatttt  tttgcaatgt  ctaatccact  44580
gttaatctca  tccaatgtat  tattaatttc  agacattgta  gtttcatct  ctagaaattg  44640
ttcatctttt  tatatcttct  ttgtctctat  ttgatatgct  aagtcttttc  tctagcttct  44700
tgagcatatg  aaatatagtt  atgacaacta  ttttattta  ttacaacttt  taccttaggt  44760
tcagaggtac  atgtgcaggt  ttgttatgta  ggtaaactcg  tgtcacagga  gtttgtttat  44820
tatttcatca  ctcaggtact  aagcctagta  cccaatagtt  gtttttctgt  tcctctccct  44880
tctcctaccc  tccaacttca  agtaggcccc  agtgtttatt  gttcctctct  ttgtatcact  44940
actattttaa  tgtctctact  agttctctta  tttttgtcat  ttctgagttg  attttatttt  45000
tctcactatg  gccatattct  cctacttctt  tgaatatctg  gtatgcaaat  tatacctagt  45060
atggatatta  tatcaagacc  ctgtcgcaat  atggatacct  aaaagaaaat  aacaatgttt  45120
accagtttgc  tctaagcctt  tcttagctct  tttgcttgtt  tctcaagaac  aagcacagag  45180
ggtggagctc  aaccaagact  gaagttaaag  atgtagaaag  attgagatgg  gaagtaatta  45240
agttgaggag  ctctgataca  atggtatttc  tcttttaat  catgtaagat  gcaagcccaa  45300
gataaatatgt  tgggaaagtt  gaaggcgaat  gtcttgagaa  atatgaaatg  cacccaaggc  45360
tatggctggg  tgatagaaat  aactaaaaag  ttttaaaagg  attgttttat  agctggtcct  45420
tgctgaggtt  aggggatagg  cctggaaaaa  ttgagcagtg  gtattgccca  ggcaggactc  45480
ctcatgacat  tctccagatc  cctaagtttt  tccaagtttc  caagcatttc  cttggccagc  45540
aagtcatctc  gcagcacaga  tcctactctc  tttcagtcag  tcattccaca  actctacaaa  45600
gcatttttct  ccatcaaatg  ggaacttttg  gggttctgca  taatttttca  gggttccacc  45660
actttgact  ctttctggat  accttgtaag  gatattataa  ctctttaatt  catgtccttg  45720
attttctctt  ttaacttta  atactgttca  ttgcctgttt  acctctttca  ccctcttctt  45780
ttcacttccg  ccctctttct  tgtgtaagta  tataatcatc  cttttttct  tcctcgaatc  45840
tcagttctcg  ggagtaacat  atacaattca  ttcttacttc  cagtctttta  ttcctaagtt  45900
ccttatctct  agttctcttg  catatttgtg  gcaattatta  gtttttttcc  aaaaatccat  45960
tctcccttt  tcctgtacat  gtatctttcc  agcttgacca  catttcccag  cttccctggc  46020
agctaggtga  agcaatgtaa  ctaaactttt  gcctgtaaaa  tatgagcaga  agttatgtgc  46080
acaatatctg  cctcacttgc  ttaaaataaa  ttgtattatt  tgagctttct  atattgtccc  46140
tttttacaac  taaaatgtag  aggttatggc  aacttttatg  gtaaagagaa  tcatcacgta  46200
ggagatcaag  aatcattgat  ttgagaggaa  cctaaatcct  ttaatgactt  agtggagcaa  46260
gactgcccca  tcagtctgga  agctaccccca  caacttatgt  atatcttcag  attgttgagc  46320
aaaagagaaa  aaatgaagcc  actatatatt  taggtctctt  catgttaaca  gtttagcttt  46380
taacctaaca  cacatttatt  cctgaatggt  agcatattat  taacatcaca  ggaagggaat  46440
tccttgttca  tggatctttt  attttgttga  aataaaggta  atctgcttgg  gcttaatact  46500
gccaaggcag  aattttttgg  aataattatt  tctatagatg  acccattcat  aatgacaact  46560
aacatggttt  ctaaaatgga  ttcatgtacg  tcatcttatt  tagtccccgc  aaaaattctg  46620
```

```
aaggtaggta taattattcc cattctatat attgaaaaat tgggattcag agagactacg 46680
gacttataca agtttctgca gctatttaag aaacagagta aagtctcaaa gccattaatg 46740
aactgtttag tttagtgctg cttagtaaaa ttagaactgt ttgaagtgcg ttttaatagt 46800
aaacccatcg atatttagtc agctctctgc ttgctaacta atatggaaga aaaaacatac 46860
atctacgtac atcctgaatt gggagaaggg aaataaaata ttgccaatcc cctttcctgt 46920
attaggtact gtgataaggc gataaggctt ttcattatta taaatgagtc ctggagaggt 46980
taagcgcagt cacccaaagt cacatgacca gtaactttca gagattttac cccaggtctg 47040
gaaagactct gaagcccatg ttattgcctc cagagcctgg tggagaaccc ctgaatggga 47100
cagagactca gcagacagag tggtcctttc cttccaggga gtcagggaag gtttggtagg 47160
ggagatagag ttagatctgg gtgggatttg gatgaaatga gatcaagcag ggataaataa 47220
gatccaagct gtttatgagg gacagggaga ggccagctct gttagaaaga gtggtttata 47280
cagagaagca tggaaacatt tgctccatgc ctcgccttcc atggatagca gtccagaaat 47340
gctacttgcc tgcctgacag tctttctcca gtccccaggt gtggacacgt tctgagcacc 47400
tgagcctggg tctgccctga cccagattct gtgagctggg acagagaatg tgtcctgctg 47460
tccctcctcc cccacttggg cccacaccct tttctacaca tttggattag aaatctgaat 47520
tggcctttct gtgaacccca atgacaggca agtccccagt aaagaagcac ttaatttaat 47580
tgctccttca gggtccactt agagtaatag ttgtgaacag ctctccctag tgtctcccac 47640
aggcagtgac aaatgttgct aaagataagt cacaaattct tggcaaggcc atcttaaata 47700
tgggaaggaa accttgttca gtcctgaaca gtcctgttca gactgatctt atcacaggtt 47760
gcacactgcc tcaatgtcac catgtttcta ccctcagttg tgcttggcag agagaggaca 47820
gctatacata aagtctgttc actctacaaa ggtgaaatca ttttttttaa ggtaattatg 47880
attgttctga ggatggtgat tgagtgacat ttaaaaaatg ggaaaagttc tactcataac 47940
tctgtctgct taatttgctt atataaaaga cttaatggtt tttgttgagt tgatccagag 48000
tcagtaacat ttgaatatgt gttattacca tttgatcagt aacaaaacaa cagggtaagt 48060
gggatgccaa atgtggctga gagtttaggg tttacattcc acaccccagc cttaaatacg 48120
tttgtataaa ttattggttg attttttctt ttcatggctt ttctttgaca tttgatgggg 48180
ctggatttat ggaggcaacc aacaaattac acagcaatga attctggact gtagtcccac 48240
agccttgagc ctagatacta gctgtgtcac taatactctg tgtgaccagg gtaagttatt 48300
tagatacatt tatgactttc caaatcaata ggttggacaa agttatcttc aaaatgtctt 48360
tcagatttga ccctgaacat atgcgattct ggcatgttct gatttttagt tttctgttct 48420
tgaagcatgt ctacaataga aatgcctacc ttcatataca ataaaaggac attagattaa 48480
tatggtgtct gtgaaaatca ttgaacagct ttagagataa aaataatgaa atgagtcaag 48540
ttctccatta ttaattaaat cttttaaatt ttctgtttat gaaactatga acaataaatt 48600
ggaacaaaga tataatctca ctacaagtaa attgtatttt atgtaaaata taatttgtct 48660
ttagaaaata ctcaatgaaa ttaccttttt aatttcagag attttgagga ctattattgt 48720
tatttctta aagtgataaa tgtaatccaa gatgcctttt ttcccccttc agaagcttga 48780
gtgcccaagg gtttgataaa tgtggaaaat aaccgctgtt cgaatatcct gttggcctgc 48840
tggtgagatg tcatcgtgtt gtctgaatgc agtatgtgtt taaacttgcc atttattacc 48900
tgaaattgtg ttattttgcc tcataccctt agtaatactc ttgtaatgct ggctgagaat 48960
tgaagcaaat gccctatgaa actcaaggga gcaaggtctt tgttattttt cagaagaaat 49020
gactggctga ggctgtaaag aaatcttgtg gtcattctca tggaaagagg attggagccc 49080
cgattctttg atctcattat tgaccagttg attgagaaga ctgtcctcct gtccccaccc 49140
aatcacaata agtgggtaat tacctgaggg ctaatttgct ccttgaatgt gaatacattt 49200
gtggaaattt ccttgtgctc agcacctgtt caaaacatcc atttgtattg cagagctatt 49260
gtttttctaa tctcattgtg gagctaagag agagattgtg tttaaggttt ccttcgtaat 49320
aggttttctt gctccaggaa ggatgcgtga cagactctgc acactgctgc ttggtaggtg 49380
ttcagtgatg gatgcgtttt ccatctccca ggtacagctg cagctgtgct gactctggtg 49440
cgtttgtaat atgcactgtg gagtgcacca tgatttcatg atggctggag aaatctggtg 49500
gctagaattc tagggaggag gacatgagtc ggaagtgcag aaacctcaca ctgggacatt 49560
gatggagaaa atccaattct gtccctggag ttaaagagga gtcactcact gggccatcat 49620
aagagcaaat aaagttacag ttatttcttc agatccacaa ctcaaactca gcgaaagtaa 49680
ttattcactc ttttttgtccc aaacaataat gaaatcagct aaagcatatt gtatttatta 49740
cttccactca agttattgag ctgttctgac accttgttgc tgggaagata cacagatgga 49800
acaccatcat ttccattgat tctgatcata ccccacgcta atatagcctt attgctctga 49860
gtcatagggа tttttatgctt gcctattcaa aaaacagttt ttaccttatt aaaaggtgat 49920
atgacctgag ctggagatga tgtttggtca ttttgtgtaa accttttaat attttagtgg 49980
taaatacatt tcttgaatct tgacaaaaac ataattaaaa tgaacatatt taaaatggac 50040
```

```
atcttccaaa tgttcatttt taaaacaaac atcttccaaa tgttcatttt taaaatgaat 50100
atcttcgtta actttttttt tttttttttga gacggagtct cgctctgtca cccaggctgg 50160
agtgcagtgg cgcgatctcg gctcactgca agctccgcct cccgggttca cgccattctc 50220
ctgcctcagc ctccagagta gctaggacta caggcgcccg ccaccacgcc cggctaattt 50280
ttgtattttt agtagagacg gggtttcacc gtgttagcca ggaaggtctc gatctcctga 50340
ccttctgatc caccctccac ggcctcccaa agtgctggga ttacaggcgt gagtcaccac 50400
gcccagcctc ttccttaact tttaatgaat aaagagttga aagggaaaaa ccaaatgtgc 50460
actatgctga tttttatcttg agctgtacag aatgtgcagt aacttaagaa tataagtcat 50520
tctgctgtta ttcatactag cctattcttt agcattattt aaacacacat atttgagtgt 50580
ctacacactg cctgctaggc aggggggctgg gtgccaagaa gggatgtcca gagataaacg 50640
ggcatatgtg ttaatctttt agggcacagt ccagtaacct gatcaaggag tgacgtgtat 50700
tgtgtactag gatagaagtc agtatcagag gaaacacaaa ggaaagagtg gtactttctc 50760
cccagggaag ggatgctcag aaagagggg ctgattatgt ccctggttca tgagaaaaag 50820
ggcattcctg gctcagggag tgggaagaac aaaaccaaga aatcctggaa tggcttggtg 50880
catcagccag tctgtgagtg cagggcatgg ctggagttct ggctttaaga tgagtgggaa 50940
gaaaggctgg agaggaggtg gatccaggaa aagttgctgg gagcatttat tcttttggca 51000
atgggaagcc atggaagaac tgttgtaagg aggattctgt gtgatacatc tgcctttag 51060
agaggtcatt ttatagaaaa agtagaaaat acagaccagc aaaaatttaa aaagtgaaaa 51120
caatcactgt tcaagctctg gtctagcact caccagtgtt tttcctacag gtgcatatac 51180
aaacatgctt ttacatttta tttttatttt aaatttttca ctatcctcaa tatcagtgga 51240
aacaaatctg cttttttaat tttttttta aaaatgagat cctattgtac acattatttt 51300
aaattttttt tcattctttc cttttttttaa aattaaaaca atttttttg agacagtctc 51360
actctgtcgc ccaggctaga gtgcagcatc gtggtctcag ctcaccgaaa ccttgcctcc 51420
caggttcaag cgattctcct gcctcagcct tccaagtagc tgggattaca gacatccacc 51480
accaccgtgt caggttaatt tttgtatttt tagtagagaa tggggtttca ccattttgga 51540
caggctggtc ttgaattccg cggatccttc tatagtgtca cctaaatgtc gacggccagg 51600

cnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 51660
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nagcgtattc gcccgtggtg 51720
aagatcgtag tagagtctac cacctcggcc gtgaacctgg ctcaggggc gcagccgggg 51780
tgggcgaccc agccaggtct gcggagcggt gcccggcggc aaccccctca cggacgctgg 51840
gactccccca ccccgtcccc attcagcgct agcggtggag gggccaggcc cgccccaggt 51900
agtcaggcag gggtcccggc tcctcccca ggaccaccgc cccgcgggcg ctcacgtcct 51960
gatggcttcc cacaccagga gcccgtcgtc ccggtagaag tagtagggga tgtcttcttt 52020
gctctccatg ccccgggcct tgatggcctc gggaaagcac agggaggcat aggtcaggtc 52080
cttcatggcc ctctgcacca tctgcacgtg cccaccgccc cctgtggcgt tggcctggag 52140
tgggaggtag agtgccctga gcgggtggct cctcccacag ctgtccagac ccatccctga 52200
ggaaatgtgc caggggaggc gaggaggcca ggcaggcaga ggtgcaagcc cttgtcctgt 52260
gagatggggg agggatgttt aacgcagaga atgacaaggg cagccgggtg gagaggtgct 52320
agggaggagc ctcccgccca atccaatgca agggactgaa ccgtgggggct gcagagtaca 52380
agagggaagg gtgcgctccc agccacagga gggcagcagg cgtgggcagg tgtgtggggg 52440
accccagcac cagcgggcct gggctgtgaa gtctgctcta gtgctgagca cacgaccctc 52500
agtcattgct ctcagtgacc ctcagtttcc aggacccatg caactctgtt gagggcctgt 52560
tgtgtgctca ggtgagggct ggagagaccc acaaggaggg atcctggtcc tgatcccgat 52620
cccggcttct gagtgatgca gacacactca caagctcact ggcacatatg tgtgtccacg 52680
tgcacacaca cacatgcaaa tacacccagg gggctgggct gtcggtgcca cagaggtttt 52740
gaagaaggac ttgggtgctg gggtgccaga gattggtcca cggtgggcat tcagcccaag 52800
caggaccaac cagagctgcc ccccagcact ttctgtttag atgcggctgg gagataatgg 52860
ccacatgaga acctgaggtg gagctactat gatgagctcc tgtgccctct cccatggggg 52920
cctgtctgca gcaggagagt gtgatgccaa cacaggtgaa agagacagaa agagggagcc 52980
agtgtgcatg caccctgggg cattgcttga gtccctggat ccatttctgg ctgaggcccc 53040
cgaccctcta ttgtgtccag gtatttgaga taaggcatgt cttgtccagc tgcagctggt 53100
ttgagttggg ttttgtcatt tgcagcccaa acagtgtctc aacttcagtg gtcatctggc 53160
ctggtcacta atgggctggg gaaaggagga aggttggggc aagggcccat gtgagagtcc 53220
aagcttggta aggctacaga gggctcaaaa cgaggtgggg tgctacctga gggatgcgag 53280
ggctgggcag ggcctggagt ccccgatgca ggagacagtg ggttgggagg gttgggaccc 53340
gggaagcaga gtgctgggga ggtccaggtc agggtggcag gggtgtggca gattaagagg 53400
```

```
cagacacagg ttcctggtgc gtaggaggtc agggggccat aaggagtgtg ttccagaggg 53460
gggtctacac ccaggtccca gaggctggga gaggggaggg gtgggaggag gggaccagga 53520
gccatcagtg agaaggaaga cctggtggtg cgcctggagg agtgctcctg gctgaatggc 53580
acgggctgga gacatcagga ggatgctgga gccagtgctc tgagcagact ccagccttca 53640
cccttccagg cctcctgaaa gggtgtctag atctcagata gggagtgaag gcggccaggc 53700
tgggctcttc caggcaacaa gtagggtagg agggcaccca ccttgtcaaa gaggccacac 53760
tcgcagatga gctgctcacg ggccttggtg ttgattgcaa tggtgaatct cacgtgtgcc 53820
accagcagct ggggagggga gaggaggagg cctcagaggg ggcccagtca ggtgacctgg 53880
tgcctcaggg acccgcagct cccccaccca ggcctgccct ataggatgat gctgggcgca 53940
gggaggaagt gaaggctggg tgctgatctt tctgctgaat aagtgctgga ggcctgcacc 54000
cctctgatgc ttactaagca tgataatgat tcagagggtc ctggccagca cttgtacaat 54060
gcttacctct ttgctccctg agttcactgt cttaatctga ccatcattct gtaaggcagc 54120
tgtactattt gacctgtttt actggtgagg aaactgaggc acatgggtac ttttagcatg 54180
cagtcacccc agcagccaat gcttgtagga ttcgagaaca gggacggaga gtgatggcag 54240
gggcggccat cagcatcagc cgaggatcac catgaactca tttgcctttt ccaactctac 54300
tggctggcca gcgaggcccg tgtgtcaggc ccatgcccca gccgcgtgtc ctggggaaca 54360
gcaggctcct agctgttttc ttcctttagg ggcattactg actctgagaa catctctcca 54420
gggctccctt tctgccaccc actcccagcc acaggtcccc ctgtgggatg tcagtgatcc 54480
ctcccactcc acatctcaga tgccctccca tagcaggtgg ggcggtagct ggctgtacct 54540
tgaaaatggg gtgcacagca ggcagctggc ggtacattgc aatgccaaaa acctcagaca 54600
ccagatgtgt tcgcagaagg tgggtgatgg tctggtggac gtggaagtca ctggaacgca 54660
cccagatttt ggccaaaagc cagtcgtatt ttgcatccga agggaggaaa atagggttct 54720
catctcccgg gatttggttg agctgataca ttgggggaaa ggaaacacac tgctatattt 54780
cacttcagag tatagttgtt ggagaacttc gcctcttggg aagttccaga agtatctgaa 54840
tttctttaac agtgactttg gaatcagaag agcctggagg gggtaaaggg ccctgcggtg 54900
gtatttcctg tcccagccat attacttaca acctgcatga ctctggatga cacactgggc 54960
tttctaagct ccggcttcag catctgtcat gtggggacag tgatcgctcg gctcacagtt 55020
actcaggagc tggcagcatg gaaggagcgg gcaggccgaa ggcccagcag cggaggggga 55080
ggatcgctgt cccctcttc cctccttgcc ctgctccctc ttctactgcc tctccttggt 55140
ctctcatact ttcctccctc tcctcttccc tgaaatgctg gagctcccca gggtctgcca 55200
tggtgctcct gtcttctttt cttgccctaa gtcagctcct cctgtttaaa ggcttggggc 55260
cctcctggta ctgagcctcc cagatcaggg tctgcagctt gagctctgcc tggagcccac 55320
acctgtggcc aggcacctcc tgtagcagag gctggacctg tcttcccttt ccagtttcca 55380
ctccacactg ggacaaggtg agttttttc ttttccaaaa tgcaaatcat gtcatgttaa 55440
ctgcctcctc aatcacctct taatgccaga aaataaaatc cccaagctct gtggtgacct 55500
ggttgctgat gcctctgtac acacagcctc actttcgtgc ccccacacca gcacccagcc 55560
ccaggtccct ccatgccagc agccctgcac gttgcccect tattgagagc ccagcacagc 55620
ctcagcaccc gacagtgagt tctcacggga gccggcagca ggtgctggca ttgcccattt 55680
ttacatgaag acatggggta ttggaggggt tgacagaaag aatgaggtgg gtggcagggc 55740
tgcagccaag agcggccagg aaggggcatg gccagacttt aggtgctggg aaagaccagt 55800
gtcactgcag cacagtggtc atggctgggg agggagaact gtcccagagc acacagctgt 55860
gtcacttgct ataagtattg tggaaggtgg ggtccttggg cgtctctccc tcgaaaacag 55920
tgctgtccaa tagacatata atgctacccc acacatggaa ttgtatatat tcaggaagcc 55980
atattaataa aaataaaagg aaacaggtga aatgccggtg aataatataa ttttatttta 56040
cccaatatat ccagaatatt atcacttcaa catgaaacca atctaaaact attaaatgag 56100
atatttcaca ttccccacct ccttattcta agtcttaaaa atcaggtgtg aactttgcac 56160
ttgcagcagg ttttggtttg gacgagccaa atcccaagtg ctccagagcc ctggtggcca 56220
gtggctccac cctggtcaga gagaccccag aagcctcagc actccctgag gaccaaggag 56280
gggggaggga ggagggagag cagagtgtga cttgcacatt aggcgtgcct gtctgtttat 56340
acttgagatt agttggctgc tttttaaatac cagacagttt cacataaaaa tttgaatgac 56400
ctggtttct tgaaaaatta gaaggtctca gaactctgca cccaggttct cacagaacta 56460
cgctcttgtc cctttacag agtcccagct ctcaggtcc ccactgccac acccgtttgc 56520
atgagatgcc tgggccactg atacctgatc tgtgccctag aatgctgggc tgcctggcat 56580
gctctgagac actttctgac atgtccccac atgctctgac atgttcctga tggctctggg 56640
acactgacat gttcctgatg gctctgggac actgacatgt tcctgacatc ctctgggcc 56700
gaggagcccc cctgttgtgt gctaggggct ttacccatgc tatctcactt aatcctcact 56760
ttgaccctgc aaggcagata ttccttgctg tacccatttt acatgggggg aaactgaggc 56820
```

```
tccagctggt ttagcagctc tcccaagtca cacagtaggt aaagagctca gccggcaaca 56880
tgatattgaa caggcaaaaa ttggaagcaa tccccctaaa aactggaaca agacaaggat 56940
gtccactctc acccctccta ttcaatagag tactggaagt cctagtcaga gcaattaggc 57000
aagagaaaga aataaaaggg atccaaatga aaaaaaaaaa aagaggaagt caaattatct 57060
ttgttcatcc atgatatgat tctataccta gaaaaccctg aagattcctc caaaagactc 57120
ctagacttga taaacaactt cagtaaagtc tcaatgttat aagtaaaatg cttgtttaga 57180
aacagaatgc ttgttcctcg gtactgcaag gaaaaatcag catttagaca aaaagttttt 57240
ttagcaagcc aattttactt tctgcagaaa gggtgctcct cgcagatgga acaatggcga 57300
gagcacacct gaataatgga gagaagcaat ttttattcct tacgcagctt gtccctgcta 57360
ccgtgtcctg tctccattgg ctggagccaa acctcacagt ctaaactaaa acccgactgg 57420
ctaataactt aaaacttttc taaataggta aaagcagtgg aaagacaaag gaaaagagga 57480
agttgcttat gaaaggactt agaaaagtaa taacatttcc aaataaggaa ggggcatggg 57540
ctgcaagctg ggacatgcct gtgagcacgt ccagcacaaa tatcttggtt aaagtacaag 57600
gacatagaat gtactcattc ccttatatct aacagctaca tatgataggg cttaacaaaa 57660
agttattagc acaaagcgaa aaggcttaaa aaaagttagt ctttagaaaa aactattatt 57720
tctaacacat aatttactcc ttaacaaaaa aaaaactttt gactttctac actcaagata 57780
caaaatcagt gtacaaaaat cagtagcatt tcttttttatt tgagacggag tctcactatc 57840
acccaggctg gagtgcagtg gtgtgatcgc agctcactgc aacctccgcc tcccaggttc 57900
aagcaattct cctgcctcag cctcccaagt agctgggatt acaggcaggt gttaccacac 57960
ctggctaatt tttgtatttt taattgagac ggggtttcac catgttggtc aggctggtct 58020
caaactcctg acctcaggtg atctgcccac ctcggcctcc caaagtgctg ggattacagg 58080
cgtgagccac tgtgcctggc ctaaaaatca gtagcatttc tatgcaccaa caatgttcag 58140
gttcaggctg agaaccatat caggaacgtg gtgatctcag ttacaatagt cccccataca 58200
caaaataaaa taccaaagaa tgtatccagc caaggaggtg aaagagctct acagagagaa 58260
ctataaaaca ctgatgaaag aaatcataga tgacacaaaa aaatggaaaa acatcccagc 58320
taatgggttg gaagaaagca atctacagat acaacacaat tcctatcaaa ttatcaacat 58380
catttttcac agaattagaa aaaaaaatcc taaaattcat atggaaccaa aaaatagccg 58440
aatagccaaa gcaatcctag gcaaaaatac aaagctggag gcatcacatt acctgacttc 58500
aaactatact acaagactac agtaacaaaa acagcatggt atactggtac aaaaataggc 58560
acagagatca atggaacaga acagagaacc cagaaataaa gccatatacc tgcaaccaac 58620
tgatttttga caaaatcaac aaaaataaac aataaggaaa ggacatccta ttcaataaat 58680
agtgttggaa aaactggcta cctatatgca gaagaatgac gctgggcccc tacctctcac 58740
catatacaaa aattacctct agatggatta cagacttaaa tgtaagactt caaactttaa 58800
acattctaga agaaaaccta ggaaaaaatc ttatggacat ttcctaggca aagaatttat 58860
gactagacct caaaggcata tgcaacaaaa acaaaaattg acaaatgaga cttaatcaaa 58920
ttaaagagct tctgcacagc aaaacaaact atcaacaaag taaacagaca acctacagaa 58980
tgagagaaaa tatttgcaac tatgcatcca caaacgacta atacccagaa tctatgagga 59040
acttaagaaa aaacaccacc attaaaaagt gggcaaagga caggaacaga cacttctcaa 59100
aagaagacat acaagtggcc aacaaacata tgaaaaaatg cccaacatca ctaatcatca 59160
gagaaatgca aattaaaacc acaaagggat accagtcaga atggctatta ttaaaaagta 59220
aaaaaatgac agatgttggc aggatgcaga caaaagggaa tgcttacaca ctgttggtgg 59280
cagtgtaaat tacttccatc cctgtggaaa gcagtttgga gattttgcaa agaactgcaa 59340
atagaattac cagttgaccc aacaacccca ttactgtgta cctacccaaa ggaaaagaaa 59400
ttgttttacc aaaaggacat aggcacacat atgtttattg cagcactgtt cacaatatca 59460
aaatcatgta atcaacctag gtgcccatca atagtggcac cagataaaga aaatgtgata 59520
catgtactcc aaggaatact acatagccat aaaaaagaat gaaatcgtgt tctttgcagc 59580
aacatggatg cagcttagga ttggcactta agccataatc ttaagtgaat taacccagaa 59640
acagaaaatc gaatactgca tgttcttatt tataagtggg agctaagcat tgtgtacaca 59700
tgggcataaa agtgggaaca aaagacactg gggactccag gaaggggagg gagggaggaa 59760
agggttgaaa aactgggtat tgggtactat gctcagtatt tgagtgatgg gttcaataga 59820
agcctaaccc cagcattatg caatataacc atgtaacaaa cctgcacatg tacctgaatc 59880
taaaatttta tatattaaaa aaaaaaaaac tgttctgacc agtaaaaaaa gagctgaatg 59940
aggatgggcc cagtgctctg cctatttcag cccatcactc tcccttctgc ttctcttcac 60000
ctccggcct gaccgggcct cacctgccca tctccttgag ctcttgtacc actgagctgg 60060
gccttcccca acccatcctt cacatcctcc cactcctgtc caggattttg gcctgccatg 60120
ggatgccaga acttgccctg agcaatttgt gtttcttaaa tttgtttttt gggtaaggaa 60180
gtagctttgc gtttctgatt agaaaagaat atgtgcttat cgtaaaaaga aatctgagtc 60240
```

```
atgacaggag agcctgagaa agaaaacatc atctcatctt ccagcgccca gggataacca 60300
ccaaattctg gggagcctcc tttcataggt ctttgcatgt gtgcacattt atctgtccaa 60360
ttttccatca actgaatatg attataatca acatctgtct ctttgttttg ctcacctgtc 60420
ccccactggg ccatcactgt gttcctacct ggtgacactg cgtccttgtg tccccatgct 60480
ggcacagtag gcctgctgca tccttgcatt cattttacat aagtgagacc atgcccattg 60540
ccttagcagt ttgaaggagc tatttgtata cgacagatat gtatccttta tcggtccctt 60600
gtgtcttgtt tttccactgt taactcattg tggagacccc tccaggtcag ctggaaggga 60660
accaaagcat tcctttcaaa gacgcctcaa cattttatgg tgaggacatg gaagggctca 60720
ctcactcaat cctcttctgc cttcagactg ttttcaattt ttttccccat cacaaactat 60780
gctcctgttg ctacccacac acatttgtgc tttcatttct gctgagtggc tgctagcgaa 60840
ggctgagcct tgggggtttg ggtatgtttt cgagtagaca gtgcctgccc tactgttcct 60900
cagacagttt cactctcctg gtgcacacct gttcagtgct actggctgtc agaacactta 60960
aacaataaag tcccctccag tgctcctcca attgagacgg ggcagggggcc tcctcttagg 61020
gcactgtagc cccccagccc cgcaacaggg catggaaatg aaggaaaatc ccgagttcct 61080
tgaagggaag ttccaggcac ctagctagcc ctgagaaata aatgagcaac ttgacaaaca 61140
agagggtaac agcagcctaa aacaacagcc aaggaagcca gagtcctggg ctgtttggtt 61200
ccctctggaa actaaagaga acccctgaac atgtgtctct gagttgtttt tcagaaaccc 61260
agacccccac caaaccgatc cactggcaca gagacctcag ataagacgga actgaggact 61320
gaactctgag caggctcttt gttctaaatt tcttcctggg gggcctgggg gaagtcccgc 61380
ccacaagcca cagctaacat tcctttctgg taacccaaat ttttaaatga aacttctctt 61440
ccttaaccaa tttcaaaaca acaaattttt gaatctacct atgacctgga agcccacccc 61500
cacttcaaga tatcccgccc ttttaggcca aaaccaatgt gtaccctcca tgtattgatt 61560
aatgattttg cctgttaact tctgcaattc ctgaaattca ctctgccttt aaaaacccctt 61620
acctgcaagc catcagggag ttccggtctt aagagtgagc tgcccaattc tccttttttg 61680
gtccccgcaa taaatgcctt gtgttctcgt agattatatc ccaatctcag tgtttggttt 61740
tgctgcactg ggcaagcaga tcccagtcca gctcggtaac acaactgtcc tcgccacgac 61800
agcctcaacc ccaggaccct ctgaccgccc actgcaacat gcacctggta cagcaggcgc 61860
tgtgggatct gctccggtgc tggccgaagc tctgaccttg ctccggtgct ggccgaagct 61920
ctgaccttgg gctgcccagg cccaccagtt atcccgtgaa cactgccagg ctgcaacaac 61980
tcatgagcag agcatggggc tccgtccttg ctggtgtctg ggagttaccc ctttgttttt 62040
ccaaccaggc atgtcagaaa tgatatctca ttgttaactt tcatttgcat ttctctaact 62100
acaggtgaag ttaggagttt ttccatatgc tggttgccca tttacatttc ttctttttgtg 62160
aattgcctat tcatattctc tgctcatttt tccactggag tattggtatt ttcccgtcaa 62220
tgtaaaggag ctacctgtgt atcatagata ggcatctctt agctgtcact tctgttatgg 62280
ttactcaccc taatctctgt tttgctttttt ggctttgttt atggtttatc actcaagttt 62340
taaaacatta cataatcaaa tatgcttagc tttcccctta taacttcttg gtttccttttt 62400
ccttctaaaa gtcttctgag tgtctgcgta attagttttt ctaaattcgt ttactttttt 62460
cattttaatt tttacttcat ctgaattttt tcttttctctt ctaagcaact cctctacatg 62520
atgagattta ttttgtaaa tggcatgaca gagcagtcca atttaatttt cttctcatgc 62580
aaaggcagtg tgatagcatc attaaaataa tatcccttttt tcactgagtt gaaaaacctc 62640
cattgtgata cactgaattc ctctgtgggg gagtccattt ctggatctta ctctatactg 62700
tccccccaatt ctctctgttt tcaagcacag tgtctgctta acagtaacct tacaaatcca 62760
gcaaggaaag tgttccttct gtgtttttctt ttactttttt tttttttttt aaagataggg 62820
tcttactctg ttgcccagtg tgggagtgcag tggagcgacc atggctcact gcagcctcaa 62880
actcctggac tcaagccatc ctcccacctc agcctcctga gcagttggga ttacaggcat 62940
gcgccaccat acctaatttt ttctattaat tttttttttt tttaagacat gaggtctcac 63000
ttggttgccc tgcctctcta tgtggtttta atttttttca aaaaatttttt gactatgcta 63060
gatttctttt tccatatgaa tctttcaatt ttttaattgt tttctctcct ttttagttcc 63120
tcttcaccac caccacaccc ccaccaagaa agataaaaaa ttctggctga aatttttactt 63180
ggaagtgcat taagttttta aatagaatt tggtagaact gacattttta cagtttcctc 63240
cccaatatca aatcactgtt aagagttcat tgtatatcct ttaaaataac tttatagttg 63300
gccgggtgcg gtagctcacg cctgtaatgc caacacttttg ggaggctgag gcaggcaaat 63360
cacaaggtca ggagttcgag accagcctgg ccaacatggt gaaatgccgt ctctactaaa 63420
aatacaaaaa attagctggg cgtggtggca ggtgcctgta atcccagcta ctcgggaggc 63480
tgaggcagga gaattgcttg aacctgggag gtggaggttg cagtgagccg agatcacgcc 63540
actgcactct agcctgggtg acagtgcgaa actccatctc aaataaataa ataaataaat 63600
aaataaataa ataaataaat aactttatag ttttttcctta tatgggcatt atattttatt 63660
```

```
gttagtatgg agaaaggcta ttgatttttt tgagaaatat atttatctaa acactttgcc 63720
aaatgaattt attaatctag tagctttaa aaaaattaga atctcttgtg ttttctaggt 63780
ctaccatagc attaccagaa aagatcatct tccctgttct ttgacaatat gtttattgat 63840
tgttttcctg ttttatcatg tggtatgacc tctaaaataa tgttgaataa aaacagtgat 63900
atcagcattc ttattatttt aatggaaatg gcattagagt tgcacctttt tgatgttagc 63960
tatctttatc atataaagta aggttcctcc tattaatttt tattagttgt ggctattaaa 64020
tgttattaaa ttcccttta gtgtgaattg atataatcat aaactttatc cttatgggta 64080
taataaatta tggtggtagc tctcttgata ttgaaatatc tggaataaac cctgcttggt 64140
tattacatat agtcatttaa tacactgctg cactcacttc gctaatatca cctttagttt 64200
tcttttaaat ctttatttaa tacttggatt ggtcttcagc cttcttttga agcctgcctg 64260
tatccagttt cagaactaag cttacaccag ctttatatga tcaatttggg gctgataaag 64320
agccctggaa atgtcagctg tctagtggct gggtgagact cagctgctcg ctgtgtaggt 64380
ctgtttccaa tcactatatg gaaattggcc tattttctac aatttcttct aatttatctt 64440
ttcctaggtt tttatccatt tctctaattt ttcaaatttt tgccatatta ctctcattta 64500
aaaaatatgt aatcataatt actgttcttt ttttttttta agagacgggg tcttgatatg 64560
ttgctcaggc tagactgctg tggctattca caggtgtgat catagcacac tacagcctca 64620
agtgagcctc ctgcctcagc ctctcaagta gctgggacta cagttgtgta ccaccatggt 64680
gcctggctat aattactctt tttatgattc cttttttatt ccgaatcttg catttttttt 64740
ttctatctct ttttttccat cagcctcatg aggaggttat tattattatt ttttggacct 64800
ttcaaagaac cagatcttgg atttactatc ctctggcttt catttgcttg agtctttata 64860
gtttgcaaag tttccatttt cagaagaaga aagagaccca ggaacattct gtggcttgct 64920
caaggtccca cagcctgcta gcaagtggct gaactggaat ttaagctagg cccctgactc 64980
caggctgctc caagagatct ctgagccaag cttttgaagg caccatcagt ggtgcctggg 65040
atctccgggg atctcccagc aattttgtct tcttttaggt cacctgtccc tttacctgct 65100
gcttcagttt cttaggcaca gggcttctct ctggtaacag acaggaagct cctctgaggc 65160
tacgtgcccc tgggagactg tggggaggct ggaatctaga gtcagatgac ctggcttgaa 65220
tcctagctct gtggctggct gtgggcacct gtgtctcagt tttcttatct gggtaaaatg 65280
atcaacatca atagagccca ctacctagga tggttgtggt gatgattaca caaataaaga 65340
taggttatct aaaacccag tggtcaaatg tgcttcagaa tccagaattt ttaggatttt 65400
agcagtgggt atacttcatt atgtgccata ccccctccca ccccagtct aggggcaacat 65460
actattttac aatcgaacag agcagtattt ctgcagtgat ccacatacat atcacattga 65520
atggaaaaag cctctaaata acctcaccta ttgcttcaaa gaaggtttgt ttacaaacaa 65580
tgaatttgct gcacagtttt gaaatatgca gcagttttca gattttttag atttagaatc 65640
gaggtaagg gattgcggac tgtgcaggtt aacccatagg atagccttgg catgtggctg 65700
gtgcctgacc tatccagctg ctattgtgtc cacagctccc aaggtccagt tcatggacat 65760
tatttgctga atgctcatct gccagtctcc cacggtgtcc tctgcgcagt tcctccctac 65820
tcccagggac ctatgcccag tccagtcctg gccttggccc ctgctgtctg cacaccagct 65880
cccagcctgg cagcaggctg gtgccaggaa caggggagaa caaagccctg tgcccgcctg 65940
cctttcctcc agggtctccc tcttcctcct gcctcatctc cggtggacat aagaactcac 66000
atcatcatca aaggtggcat accaggactg gcctggttcc tgaccccaga acccatggtg 66060
cccctcagtg gtcttggtct ccagcttagt ccacagcttc acctgcctgg cccctggcag 66120
caccttgact gggggccctt ggtcagggtg ctggggtgga gagtgcagaa tatgatccca 66180
gggcaggtcc tccacagtgt gcctcgactg gccaggggct tctcaagtgt gccttgggga 66240
gtagaaccct ctccgcccct atggacagcc cacctcaggg cctgcaggaa gccctagtgt 66300
ctttcaagac atagcttcct cagctggagt gtgaatggag ccacccagga gccctggatc 66360
gcagaggact gagctgctca gaaaggtgtg ccccccagca gcctacctgg atggcaatgg 66420
ggacaatctt gttggccagg ttcttataca gcaagcagat gggagcggcc aggaactgga 66480
gtgtgcaggg gtctgttttg ttggcatcga tgccatccag cagctcaaag tccacgatga 66540
aaatgttccc ttgctgcagg aggcagagag atgtgtccaa atcaggctca gcagacggac 66600
caaaaatcag gcctggggaa agagtgatga cctctgggca cccctctccc tttcctgcga 66660
ctcagcggag ctcagaatgt gtacttctct cctctgactc caaggctgat tgattcacat 66720
ggaaggtgtt cacaggttgt ggcagttcgg ggtaagatga aggaatggca gcagctcatt 66780
cggcatttgt ggtgtctgaa acctgcttga ctggcacgaa agatgagaga ccgacccgag 66840
tgtcagttta ctaagaagaa agaggttagg tgaaatagat gtgacgagtt aaatgccaat 66900
cttcaccacg gggctgaagg tccgnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 66960

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 67020
```

```
nnnnggggtc ctcagggact gggcctcagc ccgccggtgg ttccaccccta ggcttcccca 67080
agtcggtcaa gagccgggag cagctgtcgg agtacctgac cgtggtgatc ttcaccgcct 67140
ccgcccagca cgccgcggtc aacttcggcc aggtaggcag ggccgggccc gctgggcagg 67200
gctcccttct caaggccgct gcctcctccc ccgccccggt tctgcacgcg tactgcaccc 67260
tcggacagcc tcggggcctg gcacgggact tgcaggatgg attctgcccg ctcagccaag 67320
ggcgctggcc gcggggaaag aggatggacg gactgcaggg cccgctggag ttggggggca 67380
cggggaggac ggggcccagg gggcagctgg gcagcagggc ttcggggggtg cccacgcttg 67440
ctggcggtcg tctccgcagt acgactggtg ctcctggatc cccaatgcgc ccccaaccat 67500
gcgagccccg ccaccgactg ccaagggcgt ggtgaccatt gagcagatcg tggacacgct 67560
gcccgaccgc ggccgctcct gctggcatct gggtgcagtg tgggcgctga gccagttcca 67620
ggaaaacgag gtgaagctgg gcagggcggg gcacagcccc aggtcacccc aggttaagcg 67680
gttcctcagc ctcagggctt tgtgactcgg gccccaaggc tcacttggag caaaggaatc 67740
ctgacttcca aggctggaag ggcccagaag gctgcagccg ccaccaggtc ccccggcctc 67800
agcctggaca gagctcaggg tgtgcagggc aggagagcac acagcccagg ctttgctcac 67860
tgtcaccaga gggtcgtgtg tgacgccccc tccccccagc tattgacaaa gttcttgcac 67920
atgtgtttta ccctggtact ccagagggaa tgaccaagag tttcctgggt tccttccgga 67980
cacgtgcatc tcatttaacc taacaactga atccggtgtg tcttcgtgga tgcacccgct 68040
ttggggtagc tcagtactgc atagaatggc cggaccagtc caacctgctc cagactgctg 68100
ggtgtctgag ttgttcccgg ccaatgtgtt ggtccctcac tggacatcct tgttttttgtg 68160
gctttgcaca tgtgttcagt atgaccgcac acattcctag cagacaaatt ccttggtcaa 68220
agaatattga tactgaattg ccctccacaa actaaattca aaatcccatt atcaatagcc 68280
tatgtttctt ggacctttcc agctcagaag ctttgtgatc ttaatccaat acagtatttt 68340
tttaaaatga tatctagctc tgccccgcag acatctgtgt gagaatgcaa ataagcacag 68400
gaccccaaca gggcagccac ccccttcaggc tccctggccc gctttctgcc ttcctgggct 68460
ggagaggcca gtgctggccc cagcgcccct gatgggaggt gagagtgctg cgcaggggtg 68520
gcccaagaca gcaggatacc atggctgcaa acaccagcag cccccagctt catctgcatc 68580
atctcgtaac cacttggcag caggcagtta ttttcccact tatccatgaa gccccagccc 68640
tggagccttc cttagagaag caggttggag gcgacgacac ttgccttccc gaggccctct 68700
tgtcaggcag cagagggtga atatgggggag gtgaatagat gctccctcct tcatctccca 68760
aacggtggct ggccccttgg gatgagacag gcctgtcagt ttacacgggt agtggattga 68820
cctatgtgtg tgtccatgtc tgggccctca gctgttcctg ggcatgtacc cagaagagca 68880
ttttatcgag aagcctgtga aggaagccat ggcccgattc cgcaagaacc tcgaggccat 68940
tgtcagcgtg attgctgagc gcaacaagaa gaagcagctg ccatattact acttgtcccc 69000
agaccggatt ccgaacagtg tggccatctg agcacactgc cagtctcact gtgggaaggc 69060
cagctgcccc agccagatgg actccagcct gcctggcagg ctgtctggcc aggcctcttg 69120
gcagtcacat ctcttcctcc gaggccagta cctttccatt tattctttga tcttcaggga 69180
actgcataga ttgatcaaag tgtaaacacc atagggaccc attctacaca gagcaggact 69240
gcacagcgtc ctgtccacac ccagctcagc atttccacac caagcagcaa cagcaaatca 69300
cgaccactga tagatgtcta ttcttgttgg agacatggga tgattatttt ctgttctatt 69360
tgtgcttagt ccaattcctt gcacatagta ggtacccaat tcaattacta ttgaatgaat 69420
taagaattgg ttgccataaa aataaatcag ttcatttaaa atgggtcttg ttccatgtgt 69480
tatattccaa tcaccccaaa cagctcactg ccatctccca caccaagaga aaaaaaaagc 69540
catagtcacc gtgattttat caaggcaaaa gcctccccac ccaagtctgg atagaaggtg 69600
cttttttccct caagcagtgt ctactctctt tggaacacat cccaaatgtc accacctctg 69660
ggaaggcatc cttggttcct gtctctaccc tggatttgtc agaacctctg ttcttgcccc 69720
ctctgtggtc tctcccttgg gacaggagcc cctggaagga cagaaacccc actttatttta 69780
tgtctgtgcc ccagggctgg cataaggcac cagcactcag ctgttctctc cttttcctcc 69840
tggaagggca cctagctaat ggatattagg cattgtcttg ggagctgggg gcttattttt 69900
tcctgaggca gggttcttaa catgacataa aaaataaaaa tgggcagggc gcggtggctc 69960
acgcctgtaa tcccagcatt ttgggaggcc aaggtgggag gatcatttga ggtcagaatt 70020
caagaccagc ctggccaaca cggtgaaacc ccatctctac tgaaaataca aaaattagcc 70080
aggcatggta gcaggtacct gtaatcccag ctactcagga ggctgaggca ggaaaattgc 70140
atgaacctgg gagacagagg ttgcagagag tggatatcgc accactgcac tccagcctgg 70200
gcaatagagc gagactctgt ctcaaatagt taataaataa ataaattaaa ttaaataaaa 70260
acgcattctc tttccccagc cccaagtagc agagcccgct ctgagcctgg gcatggtgac 70320
ccattctcct cgtgctcaca tgcccaactc ccagccctcc agccctggc ttcggaatca 70380
tgtcatcagg gtctcccatg tctctggaag gtgcttccag tgtggcaggc catcagctca 70440
```

```
gtgtctgggt aaaggcttct acagggccag catggcatag gggggaggtg tgcatgcgtt 70500
cctgaagcca caaggtcttc tgaggagacc tgactattgg ggtgggggact agagactgag 70560
gtccagcccc ttaatgcccc agactccctg ccatccctcg gagaatttcc caccacactt 70620
atgaatgatc ttcgggacag gtgacataaa catacagcta tggtagaggc attcagctcc 70680
atgccactgt gagaatgaac ataccaactt ttaggcaaca aggccatgtg gtcaaggaga 70740
gaggagaaac gaataggagt aggcaggggt ggtgaagcag gtctgacatt ggcaaaagtg 70800
acagagaagg attgggttgg aagggcttca gatggcagag aacctctgaa aaagtctcat 70860
gccagctaat gaagagtcct caaagtcacc atcacagaaa tcttacatct ggcagaaatg 70920
acagcaatag tttggcatga accccacagt ggatccaaac gtgtggcagc tgagatcgtc 70980
agttaattat gttctctgca gctggtcctt ctggttccct ggagctgggt atctgagtag 71040
cacagctcca ctgctaccac aggagaggga gaatcccaaa ttctgtgcat agactgtcta 71100
aacctctgga tgaccctaa gacacatgta cataaggcaa actgcaaaca gcccaattta 71160
ggataaaaca gcctgtctta ctctgtttgt gctgctataa taaaatacct cagactgggt 71220
catttatata gaacagaaat tgattcctca cagttctgga ggctggaagt ctaagaggag 71280
gcactggcag tttcagtgtc tggtaaggga gggatcagtg tctgctccca agaggatgcc 71340
ctctgtgctg tgtcctcacc cagcagaaga gcaaaaaagg gcgaacattc tcaaaagcct 71400
cttttataag gacatcaatc cattcatgag ggcagaaccc tcaagaatta atcatttctc 71460
aaaaggcccc tcctcctaat gccatcacct tggggtttaa gttccaacac atgattttttg 71520
gaaggacaca tacattcaaa tcattgcaca accaaagtga tatttgaact ttcaaatagt 71580
ttgcagtttg agatcaacta agttaattgc ttgcttgaat aaaaacatca cagccgggca 71640
cgatggctca cgcctgtaat tccagcactt tgggaagcca aggtgggcag atcacttgag 71700
gtcaggagtt cgaaaccagc ctgaccaaca tggtgaaacc ccatttctac taaaaataca 71760
aaaattagcc aggcggccgg gcgtggtggc tcatgcctgt aatcccagct ctttgggagg 71820
ccgaggcggg tggatcacaa ggtcaggaga ttgagaccat cctggccaac acagtgaaac 71880
cctgtctcta ctaaaaatgc aaaaattagc tgttgagact actcgggaag ctgaggcagg 71940
agaattgctt gagccgagat cgtgccatcg cactccagcc tgggggacaa gagcaagact 72000
tcgtctcaaa aaaaaaaaaa gaaaagaaat tttctggatt aggataatgt tctatatttg 72060
gataagggtt taggttacct agatagatac atttatcaaa agtcatcaaa tggtacactt 72120
cagatgtacg catgtcactg tatgtaaata ttaccccaaa atcaacaaga accatgagca 72180
aatactgact tctagtgaac gacatgcata ctgaaacttt cgtagtgaag tataattatg 72240
gctgcagttg actctgaaat acataaaaac ctaagttgat gggtgaatac agtgattaat 72300
agatagaaat ctgtggtaaa gcatacggag aaaaatgtta attgtagatt ctagggttta 72360
tatatattct cactatataa ttaaacgttt ttatgtttaa aaatttttat aatgttgaaa 72420
aaccatgaaa tcctacctaa cgcagtaaga caagaaaaag agataaaagg tatatgtact 72480
gggaagtaag aaataaaacc gtctttgtta gcagatgaca tgctcatcta tgtagaaaat 72540
ccaaaagaat ggataaagaa actcctggaa ctaataagtg gttacagtaa ggttgtagga 72600
tacaaggtta atatacaaaa gtcaatcact ctcttattca ccagtaatga acaagtggaa 72660
attgaaattc aaaacaaaat actatttaca ttaatactcc aaaaatacat acttaggttt 72720
aaatctaata aaatacatac aagatcttta tgaggaaaac tgcaaccctg atgacagaaa 72780
tcaaagagaa actaaagaaa tagacataag taaatattcc ccagaaagac tcaatattgt 72840
caagatgtca gttcttcaaa acttgaccta tagattcaat gcaatcctaa tcaaaatctc 72900
agcaagttat gttgtggata ctgacaaact tattcttttt tttttttttt tttttttttga 72960
gacggagttt cgctctgttg cccaggctgg agtgcagtgg cgcgatctcg actcactgca 73020
agctccgcct cccgggttca cgccattctc ctgcctcagc ctcccatgta gctgggacta 73080
caggcacgcg ccaccatgcc cggctaattt ttgtattttt agtagagacg gggtttcacc 73140
gtgttagcca ggatggtctc gatctcctga cctcgtgatc cacccgtctc ggcctcccaa 73200
agtgctggga ttacaggcgt gagccaccgc gcccggccaa cttattctaa aatttagata 73260
gggaagcaaa agacccagaa cagctaacac aacaatatag taggaaaaca acaaatttgg 73320
aaaatggata ctacccaact ccaagactta ctataaagct acagtaatca agatagtgcc 73380
gtattggtga aagaatagac aaatagatca atggaacaga atagagagcc taagaaatag 73440
accttcataa atacagtcaa ctcatccttg acaaagtagc atagacacta caatggagca 73500
aagattgtct tttcaacaag tggtgcagga acaactggat atccacatgc aaaaacaaac 73560
aaacaagcat gaatctagat acagacctta tgctcttcac aaaaattaac tcaaaatgga 73620
ttatagatct aaatgtaaaa ttcaaaacta taaaattccc ataacatagg ataaaatcta 73680
gatgacctag gtatggctat gactttttag acataacacc aaagccatgg tccatgaaag 73740
aaataattgg taagttggac ttaattaaaa ttaaaacctt ccgctctgca aaagaccaca 73800
ctaggagagg gaggaaatat ttacaaagac acatctgata aagaattgtt acttaaatta 73860
```

```
tacaaagcct tcttaaactt aacagtaagg aaacaatctg attgaaaaat gggccaaaga 73920
ctttaacaaa caaaagaaga tatacaaatg gcaagtaagt atgtgaaaag aagctgcaca 73980
gctggggggc gtggtggctc acgcctttaa tcccagcact ttgggaggtc aaggcgggca 74040
gatcacctga ggtcaagaga ccagcctgtc caacatggaa aaacctgtct ctactaaaaa 74100
tataaaatta gctaggcatg gtgatgcatg cctgtcatcc cagctacttg ggaagctgag 74160
gcaggagaat cgcttgaacc cggaaggtgg aggttgcagt gagccaagat cgcgccattg 74220
cactccagcc tgggcaacaa gagtaaaact ctgtctcaag aaaaaaaaaa aaaagctgca 74280
cattctatgt tatcagggaa atgcaaattt agaataacgc aataacaaga taccactaca 74340
tacatattag aatggccaaa attgagaaca ctgacagcac caaatgtgga ggaggatgtg 74400
gagcaacagg aactagagag aatgcaaaat ggtatagcca cttaggaaga cagcttggca 74460
gtttcttaca aaactaaata tactcttacc acacaatcca gcaatcacac tccttggtat 74520
ttacttacat cccaacaaaa accctcatat ggatgtctag agcagctttg ttcataattg 74580
tcaaaacttg gaagcaacca aagatgccct tcggtaggtg agtaaataaa taatatccag 74640
acaatggaaa taccattcag tactaaagag aaatgagcta tcaagccatg aaaaggcgtg 74700
gaagaaactg aagtgtgtat cactaaaagt caatctgaaa agggtgcata agtttccaaa 74760
gatatgatat tgcagaaaag gcaaaactgt ggagacagta aaaagattgc caggggctag 74820
ggcagtggga gggatgaata ggcagggcac agaggatttt caggcaata acactactct 74880
gtatgacact ataatgttgg atacatggcc agatccacag aatgtagaac accaagagtg 74940
aaccttgaac tatggacttt gagtgatgag gatgagtcag tgtaggctca tggattgtaa 75000
taaatgcacc actgtggggg ggggggata ttgataactg ggggctgta catgtgtagg 75060
gacaggagta aatgggaaat ctctactttt gttaccggtg gagggtgtac cgcattttga 75120
acaaaaaatt ggacaaaacg cacaaagcaa ggaaagaatg aagcaacaaa agcagagatt 75180
tattgaaaac gaaagtacac tccacagggt gggagcaggc ctaagcaggt ggctcaaggg 75240
cctgaataca gatttttctg gggtttaaat accctctaga ggtttccatt ggttacttgg 75300
tgtataccct acgcaaatga agaggatgaa gggaggttac aaagttattt acttggtgta 75360
gaaaattagg gttttttccct tttatttagt tgtaggaagc ccttaggtta cctgcctcca 75420
gaccctattc tcctgcctca ttttattcct aattttgttg tgaacctaaa attgctctaa 75480
aaaatgaaat cttttaaaca agaaaataaa cttataaatt gcaaatatgt gtcacttaca 75540
taaaaacaaa gaattagtgt ccctacatca ggaaaaaaac acctataatt caatgtaaaa 75600
atgcaaaaaa gccaagagaa atggccaagc catggaaatt cacagaagta gaaataggca 75660
gtaaataaac aatgctcaat ttcatttatc tgagaaatgg agagtaaaac ttcagtgaca 75720
tacaaaggag taacaatcat tttaggaaca attttaaaaa taacacttgt gatgtggctc 75780
aggaaagatt catattctca ctgtaggaag gtaagtgaat cattttagag gtcagttttg 75840
caacttagaa gatcaaatgc atctaccctt tttctacttc tagaaatgta tcttcagaag 75900
tgcccctccc tccctcacac acccccaagt gtacaaaaat aaatgacatg gatgtggact 75960
gcagccttgt ttctaatacc aaaaatcagt aaacaaccta aaaatctgta tccatgagga 76020
tttaaagaaa tcctgcatga gttagaaaga ataaggtaga tgcctgggtt ctaacataga 76080
aaatatcaaa ctggttgtta gatgaaaaaa gcaagttgca aagtgaggta atgtgtaaat 76140
gcagtaagca aaatacatca tatatatagt actttctatg tatttaccta tatgagcgtg 76200
atgcctccaa ctgcatagct gtggctccgg gagcaggacc ttgtaacaga gcctctgccc 76260
ctgactgtcc tgagggggct ttccctggga aaggaaccag gtttgatttt cagtctcttt 76320
tgttatcacc atgctgacag ctttgcttgt catatgcctt tccctccgct gtactgattt 76380
taccttacag aagctctcct tagtgcttca tcagacactc cctctttttcc aaagaaaaga 76440
cagccgcatt ccatggtcat ctggttgagc tcgaggtgag ccccagggat catgtgcctc 76500
ccaccaggct gacaccccag tggtgaggag ttgccccttg gcttttttcga ggccaagcaa 76560
ctcagaggtg tggcaggatt gcatgtcaca gtggcacttc caaggccctg gagagtgact 76620
caacgcctct gttattaaga tgtcacacag gctgtgcagc aacaactcta gggacaccct 76680
tcacactgac agagttggca agcttttcct ataaaggggc acacagtgaa tactgtaggc 76740
tttgtaggcc atactatctg tcccaacaat tcaactttgc ccactgtagc tgtgaatcaa 76800
ccgtagataa tattaagtga atgtgcactg ctgtttgcta atagtttatt gacaaaaaca 76860
gctgcttttg agcagtttgc taccccgaca gagactgtgg ggagtccctg gtggcagcga 76920
gctacaggca gccagtaccc catcagtgtg gctggttcca tcctctcaag cctgcctgca 76980
cccagacact gtcgagtgtg tcttcagaaa aactcctaaa attccccaaa agcacagtgg 77040
ctccccgaga gccacctccc tcaccttctt acaggggcag gttcctcttc cggttccacc 77100
ctcctcagca cggagctcag gggccatccc cacctcctct tggccgcaag cacagacctt 77160
cccacacagg ctcagcagct ctgcgggcct gtcccccacc tggagctgca ggcctccact 77220
cctggggaca gctgtgacca tggctctgca aagcagcctt gtgcctagct cccaagtcag 77280
```

```
ctggcagccc agagtggaac aattctgtgg atcacctctg agacagcagc acatctgggc 77340
aagcctggct tcccacccct cacctcctgc aacctctgac ccttgccatg catgtggtag 77400
ggaagctgca accaggcctc agcactccca gacctgtggg cggtttgctg tctgaggatc 77460
gtggcactgc cttccctcag aggccttgcc agagccaggg gatgcagcgt ggcagagctg 77520
tcactggcaa ccctgctggt ctccctggtg ctttctcagc tgggctgtgg gtcaggacaa 77580
atttctatgg ataaggctgg atcataatct agtgctccat ggtcatgcag cgacagactc 77640
gagtctgcct tctctcaggg tggtgagctc aggtaggaac gggatgtttg aagcaagcac 77700
acctgtgaga aatgcctgtt ttcactccca tcccacacac tcgtccagac actgccagcc 77760
caccccgac acacgtgtct gagggaggct gaggaaaaca gacacctcca ggagccgcat 77820
actatttcct gatgtgtaag ccagacaacc ctggaaagga ggtcaggga ccggagtgcc 77880
tgccaacgtc cccagcctcc ctgcagcaaa acactctcat ggcaaaactc cttttaaag 77940
aaaggcttta ttgctgcaat tagacatccc agtgtatagc acaaaccccc ctgtacagag 78000
aattattcaa gtggtaatac tgagaaacag tgaacacaca caaaagaata caaaactaga 78060
catttagatc actagaaact ttctaaggta agaaaaattt caaatgtgaa gtgccttta 78120
gaaactacac cacacatgcc agtgtaaatt tggtttaaca atcaatttct ataaacattg 78180
catctaactg tgcactgatc aactgcacaa cttcaacaat tacttccaag acaaagataa 78240
atgcttttat ttccctatgt tttggtcttt ccttgggcta gagacagaag ctgcatgttt 78300
caaaccagat tcaaaaggga aagcacttca aaacagaaag tacttcaatt gtgtatttgc 78360
cttcagccac atccagagac ttgtggatct cacccggttg gtcccagccc ttctccaacc 78420
ctgaagccca cagcagggt gcagaggcag ccccagatcg tgcagacatc acccgaggct 78480
cccaaactgg cccagctgcc tgaggcctgc atgcctgtgg ccaggtagga cacatgtgca 78540
ggtttgaaaa ctaggcctac aagactgaag agtggactga agcaaaaagg ggagaaacat 78600
tagaggccta cagtaggaag agacctttta tagagttttc aggaaattct cacaataaac 78660
ttgggcacaa agaccaaatt gctgaggcca gaagcctgct tatggtactg tgacttatgg 78720
ggagtagagg ccaaatcaga gagggctggc tggtgatacc ccagaccact tgcctcttcc 78780
ccttccctgg cctacaaata ccaggcctcc tggccctgag acctcattct gggtttctat 78840
atgggtcaac caaatgccat cctttcacta aacccaggtg caaaatgggg ggggaagggg 78900
ggaagctggg gagtacacag cacccaaaag aaccgagaga gcaagttttc caaggctaca 78960
ggaacattgg cagagctggt ggccacacca gatgggagta ccacatcccc accaggcttc 79020
atgcttcact gctagatgca gggggctaga agggtctgat gaatcaggag ctgaactaga 79080
accttcaaga aaagaaaagg caaggggtg gctctgtgcc ccgccaggag aggaaagaag 79140
aatgtgtgtg gattgtccac agtgaggcca gaaacgatga gatggtgtta ggcagaaaag 79200
aagggagagg gcttcccatg agaatctggc tgggcatggg agggatacag ggctcagtta 79260
tcaaggcacc tttgccatag tggggtgcca gctacattgg gtgggatgcc caggggctgt 79320
ccctacctaa gcactttctt gtctacagga agtcttggtg ctttttcaagt tcagcataag 79380
gggttccata tgtgaagtgg ggattcacac ttagaaaatc tatcctggtc ttcacctgaa 79440
acactcatct actgctgggt ggcaggaaca agtatacaaa accaggggcc ttgcctgggc 79500
agttcctaag ggacattggc agggctgacc tgggattcag ctcccctgag tggacagtct 79560
gtggttgcct ggggtcccca ggctgagaag gggtatgggt aattgcactt cggggcacag 79620
tgaacacagg cacgggctgg atgtgccctg ggagacagaa aggagaggct gacctattct 79680
caggagctgg ctatggctgg acagtgcctg cccggccaga ggaaggccac agcagagcca 79740
ctccacagac taagacctgt gttgccaagg aatcagacac tggcttggag gagacaggag 79800
gacaaagcct gctgctatta agcccacacc gtagcttaga gatccttcag cctcctggcc 79860
ttcaaaacaa actccagggc ttccactctg aaaggcaaag gaatcacctc gtgtttgctt 79920
catcccctta gcaggatgaa cgaaacgcct aaggcccaaa aagactgagg gcaggacccc 79980
cagcatctcc catctcctcc gtgcaggctg ggtgagagaa tggcctggaa aggaagcatc 80040
tgcgctacat tgtgcttcag gcccccccag caactttccc ggaggtaact atttgcctgg 80100
aaaactagga aactgggttt taaaaacaga atttaagca gacttttag agggacaagg 80160
ccatttgatg gtagtgattt tggtttgtt ttatgaaaat ggtacaggtg gtaatccctg 80220
atgacagaat gcactgagag tggggccaag ggccctgaag gatcctgtct gttcagtctg 80280
gttaaggcga cagctgggcg ggcatgtggc cggggagcag tggcacagcg gaccctggca 80340
gtttgctcac acctggccct cgtcccagag ccagcccacc tgcctcttgg ccctggtagt 80400
gactccacag aacttccccg agcagaagcc tcacagtggg ccagcaccca tcttgcatgc 80460
aaggagaac ctgcatgcag tgcacacacc ccggccaggg tggcacatgg ctgctctttc 80520
aatgtgaagc caacaccaac tggagagatt taactataaa ggaatatttt ttaaatattc 80580
agttttgttg tcattactca cttcctttcc ttccatttcg atctcagaaa ctgttctttt 80640
tcagtgttga caaaaaagaa atgtatgggc caggtctaca aagtaacacc ttgtcataaa 80700
```

```
acaggctcaa aagcatagga atcatgcttt aattgccatt tagcatccac taattcccat 80760
gagatctgtg attaaaaaaa aagcctctgg cctgcttgtc ctgtcttaaa agtcatgagt 80820
ctgttttatg aacagaaaga atgccacgct tcttagcata tgtaaggcaa aatggatttt 80880
tgatctctca tgatgtaaag gagatacaaa ggtaaggaag ggaagatttc taagtgagac 80940
ttttttttgag tgtcaatccc gctggacaca catattacaa aataaagatt ttcttctgta 81000
aagtgctgtt tgctcagtga atcatgcgcc accacagagc accatggctc cacctgctca 81060
agagcatgga ggaggcagca tcggcagagg gcaggcagga gtctgtgttt gggggtctgt 81120
ttcaatacca tctcctgggg ttcgccgtga tgcagaggga atcttctcgt catggctaga 81180
cactccccaa tgctctgctc caggctgggg accactgcaa gctggaggcg gctgggtatc 81240
agggcctggg cacccctgct cctcctcttc ccttgggatt ggcattttat tctctcattc 81300
agctcaagac catgggcagg aactctgctg gctccccatg atgtcatcat ggggtcttcc 81360
actttcccac agagctgcca ggcagaggca ggacccaggc atgcctggcc cacaggaagg 81420
ttttctagga gactaaggag ggtttagaaa aagagaagcc actataaata gtcacctgtc 81480
cagtctatgc tattaaagga cataagaaag gtatacaatt ggcagtaaac aatttccttc 81540
agctcttcat ggatgtccag gaaaatgaca acccgcacac aatcagacgt gaatgatttc 81600
tgctccagtg tcttcaggct ctgtgcaaca agaagagttt gtgtcggaat gacagattcc 81660
atatccatgt ttattttcaa agttgggctc tgttagtgga gatttttcaa aaatattctt 81720
tttgcttgtt tctggacagt tttgaacata gatcactcta ttataggcct tgagtctctt 81780
ccacaattgc acatacactt tacactgaac atacataaaa agaagtcctc cggtgaagcc 81840
gatggccaca accaccaatt tagtccaaaa gggccattct aggattcctg gaagggaaaa 81900
actcagccta ttagatttta tttaagatat gtcttcacca cggggctgaa gnnnnnnnnn 81960
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 82020
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nggcggtgac tgtgacattg aggttcggcg 82080
tcgggggaga gggaaaagga gagggagagg gagagggaga gggagaggga gagggagagg 82140
gagagccata tgtagtttaa agtagttttt ttccaattct gagaagaagg tcattggtag 82200
cttgatgggg atggcaatga ctctataaat taccttgggc agtatggcta tttttcacgat 82260
attgattctt cctacccatg agcatggaat gttcttccat ttgtttgtat cctctttttat 82320

ttccttgagc agtggtttat atttctcctt gaagaggtcc ttcacatccc ttgtaagttg 82380
gattcctagg tattttattc tctttgaagc aattgtgaat gggagttcac tcatgatttg 82440
gctctctgtt tgtctgttat tggtgtataa gaatgcttgt gatttttaca cattgatttt 82500
gtatactgag actctgctga agttgcctat cagcttaagg agattttggg ctgagacgat 82560
ggggttttct aggtatacaa tcatgtcatc tgcagacagg gacaatttga cttcctcttt 82620
tcctaatcga atgcccttta tttccttctc ttgcctgatt gccctggcta gaacttccaa 82680
cactatgttg aataggagtg gtgagagagg gcatccctgt cttgtgccag ttttcaaagg 82740
gaatgcttcc agttttgcc catgatgtat gatattggct gtgggtttgt catagatagc 82800
tcttattatt ttgagataca tctcatcaat acctaattta ttgagagttt ttagcatgaa 82860
gcgttgctga attttgtcaa aggccttttc tgcatctatt gaaataatca tgtggttttt 82920
gtcattggtt ctgtttgtat actgggttac atttattgat ttgtgtacgt tgaaccagcc 82980
cttgcatccc agggatgaag cccacttgat catggtggat aagcttttg atgtgctgct 83040
ggattcgttt gccagtattt attgaggatt tttgcatcga tgttcatcaa ggatattggt 83100
ctaaaatggg ttttttgttg ggtctctgcc cagctttggt ctcaggatga tgcctcccct 83160
attaaaagag ggagggagga ttccctcttt ttctattgat tggaatagtt tcagaaggaa 83220
tggtaccagc tcctccttgt acctctggta gaattcggct gtgaatcctt caggtcctgg 83280
actgtttttg gttggtaagg tattaattgt tgcctcaatt tcagagcctg ttattggtct 83340
attcagagat tcatcttctt cctggtttag tcttgggagg gtgtatgtat ggaggaattt 83400
ttccatttct tctagatttt ctagtttatt tgcatagagg tgtttataat attctctgat 83460
ggtagtttat atttctgtgg gatcagtggc gatatcccct ttatcatttt ttattgcatc 83520
tatttgattc ttctgtcttt tcttctttat tagtcttgct agcggtctat caattttgtt 83580
gatcttttca aaaaaccagc tcctggattc attgattttc tgaagggttt tttgtgtctc 83640
tatttccttc agttctgctc tgatcttagt tatttcttgc cttctgctag ctttttgaatg 83700
tgtttgctct tgcttctcta tttcttttca ttgtgatgtt agggtgtcaa ttttagatct 83760
ttcctgcttt ctcatgcggg catttagtgc tataaatttc cttctacata ttgctttgaa 83820
tatgtcccag agattctggt atgttgtgtg tttgttctca ttggtttcaa agaatatctt 83880
tgtttctgcc ttcatttcat tatgtaccca gtagtcattc aggagcaggt tgttcagttt 83940
ccatgtagtt gagtggtttt gagtgagttt cttagtcctg agttctagtt tgattgcact 84000
gtggtctgag agatagtttg ttacaatttc tgttctttta catttgctga ggagagcttt 84060
```

```
acttccaact atgtggtcaa ttttggaata ggtgtggtgt ggtgctaaaa aaaatgtata 84120
ttctgttgat ttggggtgga gagttctgta gatgtctatt aggtccgctt ggtgcagagc 84180
tgagttcaat tcctgggtat ccttgttaac tttctgtctc gttgatctgt ctaatgttga 84240
cagtggggtg ttaaagtctc ccattattat tgtgtgggtg tctaattctc tttgtagatc 84300
tctaaggact tgctttatga atctgggtgc ccctgtactg ggtgcatgta tgtttagtat 84360
agttagctct tcttgttgaa ttgatccctt taccattgtg taatggcctt ctttgtctct 84420
tttgatcttt gttggtttaa agtctgtttt atcagagact aggattgcaa cccctgcctt 84480
tgttttccat ttgcttggta gatcttcctc catcccttta ttttgaacct atgtgtgtct 84540
ctgcatgtga gatgggtttc ctgaatacag cacactgatg ggtcttgact ctttatccag 84600
ttttccagtc tgtgtctttt aactggaaca tttagcccat ttacttttaa ggttaatatt 84660
gttatgtgtg aatttgatcc tgtcattatg atgttagctg gttattttgc tagttagttg 84720
atgcagtttc ttcctagcat cgatggtctt tacaatgtgg catgtttttg tggtggctgg 84780
tatgggttgc ccctttccat gtttagtgct tccttcagga gctcttttag ggcaggcctg 84840
gtggtgacaa aatctctcag catttgcttg tctgtaaagg attttatgtc tccttcattt 84900
atgaagctta gtttggttgg atatgaaatt ctgggttgaa aattcttttc tttaagaatg 84960
ttgaatattg gccctcactc tcttctggct tgtagagttt ctgccaagac atgagctgtt 85020
agtctgatgg gcttcccttt gtgggtaacc tgacctttct ctctggctgc tctcaacatt 85080
ttttccttga tttcaacttt ggtgaatctg acaattatgt gtcttggagt tgctcctctc 85140
gaggagtatc tttgtggcat tctctgtagt tcctgaattt gaatgttggg ctgccttgct 85200
agattgggga agttctcctg gataatatcc tgcagagtgt tttccaactt ggttccattc 85260
tccccgtctc tttcaggtac accaattaga tgtagatttg gtcttttcac atagtcccat 85320
gtttcttgga ggctttgttc attttttttt tcttttttct ctaaacttct cttcatgctt 85380
catttcattg atttgatttt ccatccccaa taccctttct tccagttgat tgaatcagct 85440
actgaggctt gtgcattcat catgtagttc tcatgccatg gttttctgct ccatcaggtc 85500
atttaaggac ttctctgcat tggttattct agttagccat tcatctaatt ttttttcaag 85560
gtttttaact gctttgccat gggttcggac ttcctccttt agctcagagt agtttgatca 85620
tctgaagcct tcttctctca actcgtcaaa gtcattctcc atccaggttt gttctgttgc 85680
tggtgaggag ccgtgttcct ttggaggagg agaggcactc tgattttttag agcttccagt 85740
ttttctgctc tgtttgttcc tcatctttgt ggttttatct acctttggtc tttgatgatg 85800
gtgacgtaca gatgggggttt tggtgtggat gtcctttctg tttgttagtt ttccttctag 85860
aattcaggac cctcagctgc aggtctgttg gagtttactg gaggtccact ccagaccctg 85920
tttgcctggg tatcagcagc agaggctgca gaacagtgga tattggtgaa cagcaaatgt 85980
tgctgcctga tcattcctct ggaagttttg tctgagagga gtacccagcc gtgtgaggtg 86040
tcagtctgcc cctactaggg ggtgcctccc agttaggcta ttcgggggtc agggacccac 86100
ttgaggaggc agtctgccca ttctcagatg tcaagctgtg tgctgggaga accacttctt 86160
tcttcaaagc tgtcagacag ggacatttaa gtctgcagtg gttattgctg tctttttgttt 86220
gtctgtgccc tgcccctgga ggtggagtgt acagaggcat gcaggcctcc ttgagctgtg 86280
gtgggctcca gccagttcaa gcttcccggc tgctttgttt acctactcaa gcctgggcaa 86340
tggcgggcac ccctccccca gcctcgctgc cgccttacag tttggtctca gactgctgtg 86400
ctagcaaaga gtgaggctct gtgggtgtag aaccctccaa gctatgtgtg ggatataatc 86460
tcctggtgtg ctgtttatta agcccattgg aaaagcacaa tattagggca ggagtgaccc 86520
aattttccag gtgccatctg tgaatgcttt ctttgactag gaaagggaat tccctgacct 86580
cttgcccttc ccaggtgagg tgatccctca ccctgctttg ggtcacgcat ggtgtgctac 86640
acccactgtc ctgcaaccac tgtctggcac tccccagtta gatgaacccg gtacctcagt 86700
tggaaatgtg gaaatcacct gtcttttgca tcgctcatgc tgggagctgt agactggaac 86760
tgttcctatt cagccatctt ggctccacgt atatccactg ccacacttct ttagtcataa 86820
agtgagtgcc ttggtcagag gcaatgctgt gtggaatacc atgatggtgg ataaggcatt 86880
ctgtgagtcc atgaatggta gtcttggcag agcattgtgt tcagtttagg caaacccata 86940
tccagagtaa gtgtctgttt cagtgaggac aaacctctgc cctttttcagg atggaagagg 87000
tccagtataa ccaaccttcc accaggtaac agactgatca ccccgaggaa tggtgccata 87060
ttgagggctc agtgttagtc tctgctgctg tcaaattggg cactcagctg tagccatagc 87120
caggccagtt ttggtgagtg gaagtccatg ttgctgagcc catgtataac ctccatccct 87180
gccaccatgg ccactttgtt tatgggccca ttgggtgata acaggggtgg ctggggaaag 87240
aggctgagtg atgtccacag aacaggtcat cttatccact tgattattaa aatcctcctc 87300
tgctgagatc acccattggt gagcactcac atgggatcca aatatcttca caggttttgg 87360
ccactcagag aggtccatcc acatacctct tccccaaatt tctttgtcac caattttcca 87420
atcatgcttc ttccaagtcc ctgaccatcc agccaaacca ttggctacag cccatgaatc 87480
```

```
aatatataat cgcacatctg gccatttatc cttccatgaa aagtgcacaa ccaggtgcac 87540
tgcttgaagt tctgcccact gggaagattt cccttcacca ctgcccttca gtgatgtcct 87600
agaaaggggc tgtagtgctg cagctgtcca cttttgggtg gtgcctgcat atcgtgcaga 87660
accatctgtg aaccaggccc tagtcttctc ttcctctgtc aactgatcat agagaactcc 87720
ccatgaggcc atcggtgcag gctggggaag agaaggtggg gtggcagttg tggagaccat 87780
gggcatttga gctacttcct tgtgtaactt acttgtgcct ttaggacctg ctcgagccca 87840
atcacatata tatcacttcc atttgatgat ggaatgctgc tgtgcatgac ccattttatg 87900
gctacatggg tcagaaagca cccagttcat gatagacagt tcagttcaca tggtgacttg 87960
atgacccata atcaaatgtt cagtttccac caaagctcag taacaggcca agagctgtct 88020
ttcaaaagca cagtagttat atgcagaaaa tggcagggcc ttgtttcaaa attttagagg 88080
catctgctgt gattcacctg tgggggcctg ccaaaggctc caaacagcat ccctatctgc 88140
cactgatgcc tcaagcacca ttggatctgc tgagtcatat ggcccaaaca gcagagcagg 88200
ttggacagca gcctggacct gaggcagagc cttatcctgt tctggacccc actcaaaact 88260
ggcagccttt tgagtcactc gataaatggg cctgagtaac acacccaaat gaggaaagtg 88320
ttacctccaa aatccaagta ggcccactac atattgtgcc ttttttcttag ttgtaggagg 88380
ggccaaatgc agcaacttat ccttcatctt acaaggagta tcttgacagg ccccacacca 88440
gtggacccct agaaatgtta ctgaggtaga aggtccctga attttagtca aatttatttc 88500
tcatcctctg gcacacaaac atctcacaaa taagtccagt gtgtttgcta cttcttgctc 88560
actggatccg atcagcataa tgtcatcaat gtaatggacc agtgtgatat cttgcagaag 88620
caaaaagtgg tcaagatctc tccaaataag attatgatgc aaagccagag tttatatact 88680
cttgaggtag gagagtaaag atatattgct agtcttgcca gctgaaggca aattgcttct 88740
agtgggcctt atgaatagga atggagaaaa aggcatttgc caagtcaatg gctgcatacc 88800
aggtaccagg aaatgtgtta atttgctcaa gcaatgaaac cgtatctggt acagcagctg 88860
caattggagt caccacttag ttaagcttat gataatccac tgtcattctc caagatccat 88920
ctgtcttatg cacatgccaa atgggagagt tgaatggggg tgtgatgaaa atcaccaccc 88980
ttgcgccttt caagtccttg atcatggcac taatctctgc aatccctcca gggatgtgat 89040
attgttttgt atttaccatt tttctaggta gaggcagctc taatgccttc catttggcct 89100
ttcccaccat aataggcctc accctaccag tcagggagcc aatgtgggtg ttcttccagc 89160
tgctaagtat gtctatgcca attatgcatt ctggcactgg ggaaatgaac acaggatgag 89220
cctggggacc cattggaccc actgtaagtc agacctgagc taaaactcca ttaattacct 89280
cacctccata agctcctgct ttaactggag gaccacaatg acgttttgag tcccttagaa 89340
ttaacgtcag ctcagagcta gtgtcctgta atcccccaaa tgactgataa tttcccttc 89400
cccaatgcac agttaccttg ataaaaggct ggaggtctcc ttgggaaaaa atgggagaaa 89460
gattaacagc ataaattgtt ggtagtgtag tgggctcctt ccttaatggg acccaacttc 89520
cccttttattc aaggggttct gtgtctgtaa actggctcaa gtcaaaaatt gattgagggg 89580
ccatgattct ctatttttat aattcaaagt agtgttttgt ccatttgacc tggaagtttt 89640
ctgcttatat aaaattaagta ggaaagaagt aggcatccta acaatttcac ttctgggaac 89700
actgtgatta attagcgaat gccagaactc tacatgagtc agactattct gattgctgct 89760
ttgccactac tgtctgttat ggtagttatg cccaccttgc ctttgatggt tgagtgccac 89820
cacttggcct ctgccacctt gggatccaat tattcccatt gtatttacct ttattagttg 89880
agtgactgtg gttctcacca ttggatctga tatgcagaga attacggggc tcttcaaaga 89940
tgcaggtgct accctcacag atctattttg caaggtattg gtcaaggta tatcttctgg 90000
gcccttccat ctgggatgag taggtctaaa gtgactaatc cactccacca tctcaatctc 90060
tctaagcctt tggatccctt cctctacatt aaaccaagag tgatcagaca tttccagctc 90120
cctcacagtg gccatctttc aatccatatt tcagctaact aagcaaataa attattagaa 90180
cctttttta actccctgag ctgcaatatt aaatgcagag tctctactta gtgggcccaa 90240
atcaacaaat tcagcctgat ccaactctat gttccttcca ccattatccc acacccttaa 90300
tatccattct catgcctgtt ctccagattt ctgtttatat aaattagaaa actcaagtag 90360
ttcttttcaa gtatagtgaa cctcctcatg ggtttcactc tcaacctcac ctcttggggc 90420
ccataaggac tttagtctgg ttataggtct agaagcagac aggggtgttg ggggtggctc 90480
ctgaggagaa tcaacattat tttgcctggc aactgctcag gggggggccat cactgttgcc 90540
ttaggcagca cagtgtttat ctccccagac aaatatggaa aggctgatgg cagcatgggt 90600
caggagagg atgtcaccac tactggggat ggggaagctg tttttttttct ggcaaaaaag 90660
gtttcctgag actttacaaa ctcagtgtcc ccagcttcat cagggtcctc ccacatgtcc 90720
cctttccaag ttgcagggtc ccattctttt ccaaacgatg ccctcacttt aatagtacat 90780
acctggtgag gctgtgcatg caccccttcat tggaagtcag ccacttgcac aataagagct 90840
catatccatt ttcccacaat ttcagctctt tctctgcagg agataatact ttcactcagg 90900
```

```
gcaatcttag cagatttgag gctcagtatc tgcttctgaa gccaggagtt agaatcccta 90960
agttcatttt ctttcatcac tttgtccatt gaacttagga gaaaccaacc aacttcatta 91020
tgtttccaca tatggtcaaa ggtattattt atagagtcac taaactcctt gcctctcatg 91080
agcgctgaat caggaatgtc aaatgcattt attttgctta actctctaaa cagttcatag 91140
aaaggaacac tgaatcagtg ttctccatac tatcagaagt agagtcctta gcatttttga 91200
gtctaatcat attaaacagc cactccagaa accctaaaac caatgaaaga actgcatcct 91260
taatgttctg ttcctctaga accactcctg gtacaaaaat ctgtgttagg gttctctaga 91320
ggggcagaac taataggata gagatatata agaaggaaag tttattaagt attaactcac 91380
atgatcacaa ggtcccacaa taggatatct gcaagctgag gaacaaggag agccagtcca 91440
agtcctaaac tgaagaactt cgagtctgat gttcaagggc agggagcatc cagtaccaga 91500
gaaagatgta ggctgggaag ctaggccagt ttagtctttt catgtttttc tgccaacttt 91560
tcatattcta gctgcactgg cagctgatta gatggtgccc acccaggtta agcgtgggtc 91620
tgcctttccc agcccactga ctcaaatgtt aatctccttt ggcaacacct tcacagacac 91680
acctaggatc aatactttgc atccttcaat ccaatcaagt tgacactcag tattaaccat 91740
cacagaagca ttatctacta ataccaccat ataaagatg cggatgttag catagttatc 91800
acactgtttc ctcacacaat ccactaccca tggcttggtt tctatggaca tattattgga 91860
tctgagccag cttattataa tgttttaaat aatattcaag aattgttaca attgcatttt 91920
gaattgttat tatttaaata taggtcaatt tctaaataga ttcttgtcca tagtcagatt 91980
ttacatcatg atttcctcac tcatgacatt taaaagttta tttgttaaat ttagccaata 92040
tatacaagtc tgcatttggg gatgggtaat tgaatgccat ttttaatttt tgggtaatgg 92100
agactttttt tatgttgcct ttatatttga tccataacta ggctatgtag tacatttctg 92160
ggtcaaatct ctattgcttt aaaactttgt ggttttgctt cattatctcc tagtatctac 92220
agttactgaa gtgatacgta caaccagctt tggacatgat gaatgtttta ggctaaagac 92280
ttgggtgttc tttggtcttt ggaagttttc tttaatactc tctttaaatt tgtctgattc 92340
cacttcttgg ttcccttttc aggaacacca agtattcaca cagtggatag tcatctgtcc 92400
tctacttcta aaattttgtt atttaacaaa atgttataaa agtagaatca catttatgta 92460
acctttttgg attgatgttt tttgctcagc ataatttcct ggcaatccat ccaagttgtt 92520
gcatgcatca atcatccatt cctttacatt gctaagtagt attccatgct atgtatttac 92580
aacagtttgt ttacccattc acctgttgaa aaacatcttg gctgaatcta gttcttagct 92640
attaatatta taaacaaaga tgctataaac atttgtttga cagttttttg tgtgaagttt 92700
ttattttttct gggataaatg cctgggagtg caattgctgg gtcatatgat agttgtgtgt 92760
ttttctttga gaaactccca aaatttccca gagtggatga agtattttat gtttctatca 92820
gtaatgtatc agtgatccgg tttctacaca tccttaccag catttggtgg tgtcatgatt 92880
tttaattttta gccattctga tagatgagta gtgatagctt attgttgttt caatttgcat 92940
ttccctaaaa cctaataatt ttgaacatct tttcatgtga ttatttgctg tccatgaaat 93000
atctgtggaa acagtgagta gaaggatgct ttccacagtc tgagaaggac agctgggaga 93060
ggtggatgaa gagaggttgg tatatgggta caaaaataca attaagacct ctggtccatg 93120
ctgggcacag tggctcatgc ctgcaatccc agcactttgg gaggccaaag cgggtggatc 93180
acctgaggtc aggagcttaa gaccagcttg gccaacatgg tgaaaccctg tctctactga 93240
acatacaaaa attagccggg catggtggtg cgtgcctgta atcccagcta ctcaggaggc 93300
tgaggtggga gaatcactta aacccgggag gcgaagtttg cagtaagccg aggtcacacc 93360
actgcactcc agcctgggca acagagcact ccagccgggg caacagagca agactctgtc 93420
tcaaaaaaat aaaataaaat aaagtaaaac aaaataaaga gttccaatcc agcagagagt 93480
gtggtgagat ggtgcgggac cagctccctg ggacttctga gcctttgccc tggccagtgg 93540
gggagctgag ccaggatagg ctgtagcctc tgccccgtga caccaggacc cttgtggtgg 93600
ctgccaccag gacccttggg gtgggtgcct gggccttgaa gatgcagcaa gcctcccttc 93660
cccctacacc tcagtgactg agggtggtgg tggcctttcc caggccgcac cctgccgggt 93720
atagacgaag tccccactga gcctggatgc agtgcctttg ggtggtggtg ggagtggcag 93780
gggcagcttg gtgactatcc gggtgtgagg attgggaagg tgctcttggg atgcaggaca 93840
cgggctcagc cacctctta ggccatggcg ctgccagatc cgggtcctgg tgaccactct 93900
gtcccagctg ggtgagactt acctagtcct gaggacaaca gacaatggcc ttaataggcc 93960
tggaaggtga gtggaggcac agaggaggac agtgtggaac agttagcagg cattgggctg 94020
ttggtcttcc ttctaccaga cctggaagga cctcacattt ggcctatggg aaatgcccgc 94080
cacactttgg gaagatttac tatctgcttc tagaaggctg tgtgtatatt atgaaaaagc 94140
tattctcaac tcacccccaa ccttttaata gataacatct gtggggaggc tgacaagatg 94200
gctgaataga aacagctcag gtgtgcagct cacagtgaga tcaatgcaga aggtgggtga 94260
tttctgcatt tccaactgag gtacccggct catctcattt ggactggtta gacagtgggt 94320
```

```
gcagcccatg gagggtgaac tgaggcaggg tggggtgttg cctcacctgg gaagtgcaag 94380
gggtcagaaa actcccctgt tagccaaggg aagctgtaag gagctgtgcc atgaggagtg 94440
gtgcattcca gcccagatac tatgcttttc ccatggtctt tgcaacccac agaccaggag 94500
attccctcca gtgcttatgc caccagggtc ttgggtttca agcacaaaac tgggtggcca 94560
tttgggtaga caccaaggta gctgcaggag tctttttttca taccccaggg atgcctggaa 94620
tgtcagcgag acagaaccat tcactcccct ggaaaggggg ccgaagccag ggaaccaggt 94680
ggtctagctc agtggatccc accccatgg agcccagcaa gctaagatcc actggcttga 94740
aattcttgct gccagcacag tagtctgaag ttgacctggg atgctggagc ttggtatggg 94800
gaggggcgtc tgccattact gaggcttgag taggcagtgt tcctctcaca gtgtaaacaa 94860
aactgcaagg aagttccaac tgggtggaac acaccacagc gctgccaggc tgctgtagca 94920
agactgcctc tctagattcc tcctgtctgg gcagggcatc tctgaaaaaa aggcagaagc 94980
cccagtcagg gacttataga taaaactccc atctctctgg gacagagcac ctgggggaag 95040
gggcagctgt gggtgcagct tcagcagatt ttaacatccc tgcctgccag ctctgaagag 95100
agcagtggat ctcccagcac agtgtttgag cagactgcca cctcaagtgg gtccctgacc 95160
ccctggcctc ctgaccggga gatacctcc agaagaagcc aacagacacc tcacacaaga 95220
gagctccagc tggcatctgg caggtgcccc tctgggacaa agctttcaga ggaaggaaca 95280
ggcagcaatc tttgctgttc tgcagcctcc actggtgata cccaggcaaa caaggtctga 95340
agtagatgtc cagcacactc cagcagacct gcagcagaga ggcctgactg ttagaagaaa 95400
aactaacaaa cagaaaggaa tagcatcaac atcaacaaaa aggacatcca ctcagaaacc 95460
ccatccaaag gtcaccaaca tcaaacacaa aaggtaggta aatccatgaa gatggggaga 95520
aaccagcaca aaaaggctga aaattccaaa aaccagaatg cctcttcttc tccaaaaaat 95580
cacaacttct caccatcaag ggaacaaaac tggatggaga atgaatttga tgaattggca 95640
gaagtaggct tcaaaggtgg ataataacaa actcctctga gctaaaggag aatgttctaa 95700
cccaacgcaa ggaagcaaag aaacttgaaa aaagattaga tgaattgcta actagaataa 95760
cgagtttaga gaagaacata aatgacctga tggagctgaa aaacacagca caagaactta 95820
gtgaagcata cacacatatc aatagctgaa tcgatcaagt ggaagaaagg atatcagaga 95880
ttgaagatca acttgcagaa accctataag ccagaagaga ctaggggcca atattcaaca 95940
ttcttaaaga aaagaatttt caatgctgaa tttcatatcc agccaaacta agcttcataa 96000
gtgaaggaga aataaaattc tttacagaca agcaaatgtg agacattttg tcgtcaccac 96060
gcctgcatta caagagctcc tgaagggagc aataagcatg gaaaggaaaa aatggtgcca 96120
gccactgcaa aaacatgcca aatggtaaag accatcaacg ctatgaagaa actgcatcaa 96180
gtaatgggca aaataaccag ctagcatcat aatgatagga tcaaatttac acataacata 96240
ttaaccttaa atgtaaatgg gctaaatgcc ccaattaaaa gacacagact ggcaacatgg 96300
ataaagagtc aagacccatc agtgtgcagt attcaggaga cccatctcac atgcaaaaac 96360
acacataggc ccaaaataaa gggatggagg aatatttacc aagcaaatgg aaagcaaaaa 96420
acaaacaaac aaacaaacaa acaaacaaac aggggttgca atcatagtct ctgataaaac 96480
agactttaaa ccaacaaaga tcaaaagaga aaaagaaagc cattacatag tggctaagaa 96540
gagctaacta tcctaaatat acatgcaccc aatacaggag cacccagatt cataaggcaa 96600
gttcttaaac acctacaagg agacttagac tcccacacaa taatagtggg agattttaat 96660
accccactgt caatatcaga caggtcaatg agacagaaaa ttaacaagga tatctaggaa 96720
ttgaactcag ctccagacta agcagaccta atagacatct atagaactct ccaccccaaa 96780
tcaacagaat atacattctt ctcagcacca catcgcactt attctaaaat tgaccacata 96840
attggaagta aaacactcct cagcaaatgc agaagaatgg aaatcataac aaacagtctc 96900
tcacaccaca gcgcaattaa attagaattc agaattaaga aactcactca aaacctcaca 96960
cttacatgga aactgaacaa cctgctcctg aatgactgct ggataaataa tgaaatgaag 97020
aaggataaag atgttgtttg aaaacaataa gaataatgta ccagaaactc tgggacatat 97080
ttaaagcagt gtgtagagga aaatttatag cagtaattgc ctacaaaaga acacaggaaa 97140
gatctaaaat cgacaccta acatcacaat taaaagaact agagaagcaa gagcaaacaa 97200
attcaaaagc tagcagaaaa caagagataa ctaagatcag ggcagaactg aaagagatag 97260
agacatgaaa aacccttaaa aatcaattaa tcgctctccc tctccctctc cctctccctc 97320
tccgtctccc tctccgtctc cctctcccca cggtctccct ctccctctct ttccacggtc 97380
tccctctgat gccgagccga agctggactg tactgctgcc atctcggctc actgcaacct 97440
ccctgcctga ttctcctgcc tcagcctgcc gagtgcctgc gattgcaggt gcgcgccgcc 97500
acgcctgact ggttttctct gcccggccag ccgccccgtc cgggaggag gtaggaggtc 97560
agcccccgc ccggccagcc gccccatccg ggaggtgagg ggtgcctctg cccggccgcc 97620
cctactggga agtgaggagc ccctctgccc agccaccacc ccgtctggga ggtgtaccca 97680
```

```
acagctcatt gagaaggggc catgatgaca atggcggttt tgtggaatag aaaggggggga 97740
aaggtggggga aaagattgag aaatcggatg gttgccgtgt ctgtgtagaa agaagtagac 97800
atgggagact tttcatttttg ttctgtacta agaaaaattc ttctgccgtg ggatcctgtg 97860
gatctgtgac cttacccccca accctgtgct ctctgaaaca tgtgctgtgt ccactcatgg 97920
ttaaatggat taagggtggt gcaagatgtg ctttgttaaa cagatgcttg aaggcagcat 97980
gctccttaag agtcatcacc actccctaat ctcaagtacc cagggacaca aacactgcgg 98040
aaggcagcag ggtcctctgc ttgggaaaac cagagacctt tgttcacttg tttatctgct 98100
gaccctccct ccattattgt cctatgaccc tgccaaatcc ccctctgcga gaaacaccca 98160
agaatgatca ataaaaaaat aaataaataa aaataaaaat aaaataaaat aaaataaaaa 98220
aagaaataaa cacaaataaa atgttaaaat tcccattcta cataaaatca tctatagatg 98280
ttttttaaata tacaacatga ttatcaagga cttaatctgt accacattct tgtagatgta 98340
aagttaaaat tcttgtaacc atcactctca accctaccct atcttccagc ataaatgaga 98400
ctttcacatg ttttctcttg cccagatgga gacactaact gtaggctttg gaaatgtctt 98460
aaaaaaaaaa aaaaaaaaaa gagagccagg catcttcaaa cagagaaaag ctgtttgaac 98520
acatttatct aagtctatca aaagctatga ttgttagcaa gaggtaacct tgtaatgcca 98580
aggcagaaaa ctgccaccaa accacaaaaa gcttgttcaa ctgctgaacc taaaattaaa 98640
caatttatct ctcattaaaa aaaaaaaatc aattaatcca ggagctggtt ttttttttaaa 98700
gatcaacaaa atagatagac cactagccag actaataaag aggaaaagag agaagagtca 98760
aatagacata ataaaaaatg ataaaggaga tatcaccact gatcccacag aaatacaacc 98820
taccatcaga gaatattata aacacctcta tgcaaataaa ccagaaaatc tagaagaaat 98880
ggataaattc ctggacacat acaccctccc aagactaaac caggaagaag tcaaatccct 98940
gaataagcca ataacaaact ctgaaattga ggtggtaatt aatagcctac caaccaaaaa 99000
aagtccagga ccagacggat tcacagctga attctaccag aggtacaaaa ggagctggta 99060
ccattccttc tgaaactatt ccaaacaata gaaaagagag gaatctccct aactcatttt 99120
acgaggccag catcatcctg ataccaaagc ctggcagaga cacaacaaaa aaagaaaatt 99180
tcaggccgaa atccctaatg aatattgatg caaaaatcct cagtaaaatt ctggcaaacc 99240
gaatccagca gcacatcaaa aagcttatcc accatgatca agttggcttc atccctggga 99300
tgcaaggctg gttcaacata tgcaaattaa tgaacgtaat gcatcacata aacagaacca 99360
atgacaaaaa ccatgtgatt atctcaatag atgcagaaaa gaccttcgac aaaattcaac 99420
agcccttcac gctaaaaact ctcaataaac tagatattca tggaacatgt ctcaaaacaa 99480
tcagagctat ttatgagaaa cccacagcag ccaatatcat actgaatggg caaaaactgg 99540
aagcattccc tttgaaaact ggcataagac aaggatgccc tctctcacca ctcctattca 99600
acatagtatt gggagttctg gccagggcaa tcaggcaaca gaaagaaatg aaggatattc 99660
aattaggaaa agaggaagtc aaattgtctc tgtttgcaga tgacatgact gtatatttag 99720
aaaaccccat catctcagcc caaaatctcc ttaagctgat aagcaacttc agcaaagtct 99780
tgggatacaa aatcaatgtg caaaaatcac aagcattcct atacaccaat aacagacaaa 99840
ccgagagcca aatcacgagt gaactcccat tcacagttgc tgcaaagaga ataaaatact 99900
taggaatcca acttacaagg gatgtgaagg acctcttcaa ggagaactac aaatcactgc 99960
tcaatgacat cagagaggac acaaacaaat ggaaaaacat tccatgctca tggataggaa 100020
gaatcaatat cgtgaaaatg gccataatat ccaaagtaat ttatagattg aatgctatcc 100080
ccatcaagct accactgact ttcttcacag aattggaaaa aactacttta aatttcatat 100140
agaaccaaaa aagagcctgc atagccaagc caatcttaag caaaaataac aaagctggag 100200
gcatcacact acctgacttt aaactatact acatggctgc agtaaccaaa acagcatggt 100260
actagtacca aaacagatat atagaccaat ggaacagaac agaggcctca gaaataacac 100320
cacacatcta caactatctg atctttgaca aacctgacaa aaacaagcaa tggggaaagg 100380
attctctact taataaatgg cattgggaaa actggttagc catatgcaga aagctgaaac 100440
tagatccctt ccttccactg tatacaaaaa ttaactcaag atgggctaaa gacttaaatg 100500
taagacctaa aaccataaaa accctaaaag aaaacatagg taataccatt caggacatag 100560
gcatgggcaa agacttcatg actaaaacac aaaaagcaat ggcaacaaaa gccaaaattg 100620
acaaatggga tctaattaaa ctaaggagct tctgcacagc gaaagtaact accatcagag 100680
tgaacaggca accaacagaa tgggagaaca ttttttgcaat ctatccatct aacaaagggc 100740
taatatccag aatctacaaa gaacttaaac aaatttacaa gaaaaaacaa acaattccat 100800
caaaaagtgg gtgaaggata agaaaagact cttctcaaaa gaagacattt atgcagtcaa 100860
caagcatagg aaaaaaagct catcatcact ggtcattaga gaagtgcaaa tcaaaaacac 100920
aatgagatac catttcatgc cagttagaat ggccatcatt aaaaagtcaa gaaacaacag 100980
atactagaga gcatgtggag aaataggacc acttttacac tgttggtggg agtggaaatt 101040
agttcaacca ttgtggaaga cagtgtggta ttcctcatct tcaccacggg gtggaggtac 101100
```

```
gnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 101160
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nagaaacata gaccctgccc 101220
aacgcatatt cctgaaaggg atggcaaggt ttttttaaag gttttatggg tttaggtgta 101280
ctctaaagga ttttaaccct tctaaaatta tttttgtata aaggtgtaag aaagggatcc 101340
aacttcactc ttttacaaat gggaagccag tttttcccgg cccctttttt taaaaaggat 101400
tcccttttccc attggttgtt tttttcaagg ttgtcaaaga tcagaaggtt gtagatgtgg 101460
gttggtaatt tttaggggtt tgtttttggtc ccattggtcc ataggtcggt tgtggtacca 101520
gggccatgtt gtttttggtta ctgtaagcct cgtagtatgg tttgaagtca ggtagcatga 101580
tgcctccagc tctgttcttt tggcttagga ttgtcttggc aatgcgggct cttttttggg 101640
ttccatatga actttaaagt agttttttccc aattctgtgc agaaagtcat tggtagtttg 101700
atggggatgg cattgatcta taaattacct tgggagtatg gccattttca tgatattgat 101760
tcttcctatc catgagcatg gaatgttctt ccatttgttt gtgtcctctt ttattttgtt 101820
gagcagtggt ttgtagttct ccttgaagag gtccttcaca tcccttgtaa gttggattcc 101880
taggtatttt attctctttg aagcaattgt gaatgggagt tcactcatga tttggctgtc 101940
tgtctgttat tggtatataa gaatgcttgt gattttttgca cattgatttt gtatcctgag 102000
actttgctga agttccttat cagcttaagg agattttggg ctgagacgat ggggtttttct 102060
agatataaaa tcatgtcatc tacaaacagg gacaatttga cttcctcttt tcctaattga 102120
ataccctttta tttccttctc ctgcctgatt gccctggcca gaacttccaa cactatgttg 102180
aataggagtg gtgagagagg gcatccctgt cttgtgccag ttttcaaagg gaatgcttcc 102240
agtttttgct ccttcagtat gatattggct gtgggtctgt cataaatagc tcttattatt 102300
ttgagataca tcccatcaat acctaattta ttgagagttt tcagcatgaa tggttgttga 102360
attttgtcaa aggcctttttc tgcatctatt gagataatca tgtgttttttt gtcattggtt 102420
ctgtttatat gctagattac atttattgat ttgcgtatgt tgaaccagcc ttccatccca 102480
gggatgaagc ccacttgatc atggtggata agctttctga tgtactgctg gattcggttt 102540
gccagtattt tattgaggat tttcgcattg atgttcatca gggatattgg tctaaaattc 102600
tctttgtttg ttgtgtgtct gccaggcttt ggtatcggga tgatgctggc ctcatataat 102660
gagttaggga ggattccctc tttttctatt gattggaata gtttcgccaa actgacatga 102720
tttttaaaat tccctatagg gtcaatgtgc agatttaaag atccctacac tcagtagtcc 102780
tgggataggg tcgggggatc catatgttta acaagcagcc tagagtctcc cgatagcctg 102840
ggcaagcttt aaaaagccct gcggacattc ggatgaaaca aaggtgcaca gaacctatat 102900

ctctgccatt tattagctgg gggccttagg caaggaaggt agtcaacctc cgtattcctc 102960
agttcctcaa ctgtaaaatg gggatgatga ctgtggctcc ctcgtggggt tgtgacggag 103020
gaacagggga catatgtcct gggatcagca ctggcaattt ggccattctt accatagcac 103080
ctgccatctt ggtgacagcc tggacacaaa gccttcacac ctttgaagtg gccatagaga 103140
gcatgagata tggatgggga ggaggcattc caactaaaga cccctgcttt gggccaaaaa 103200
cacatgtatg tctggtgtct ggagtcctct ggttatgcct ttttttaagat accggttgtc 103260
ctgcaattgt gcgttgagaa tccactctat ggccaacata tcatcaaagc gtttggctca 103320
gctaggctgt tccccccaacc caaggacccc atgaggaaag gagtgagggt tccacccccca 103380
gcaccagcca ctggaggggc tgcccagagt ccctcagttc tcgtaaactt acgctttgga 103440
gtaattcaga acaaagtcca ctccttttttc actatcaaac tggatatcac ggggtaaatc 103500
cttgtggcat ttggcatcga tgctcaaggg gaagccaggg ttccactcca tccatctgag 103560
catgagaaag gagaagaaat tgagttaaat gccagccttt ggtctgcccc ctcagctgag 103620
ggccgcccac actgtcagac gatggttacac agggagattg atgtactcaa aataaagtca 103680
acacatcata ggctgaccct gtgtccagta aggttctggg acctcttcca aagtccagtc 103740
gcaccaactt tgctgtgccc tgagcatcag agtgggaacc ctgagactgg gcttatagtg 103800
gtacaggtgt gcaccactgc ataaaaagtt ctgtaggtag tctagggaga cctcacttac 103860
tagaggtgac attgaacagt agaggcctgc cttgccagtc actggaggta gaaggtatta 103920
aggctgccca gccacgccca acctggacat ccaccattct gccaacttga tcagtgtgtg 103980
ccctggactg cgtgcatgtc ctgcatgtgg catttgggga aatgggacag ttcttctgcc 104040
ttcacaatag gacgacacgg cagcaggtgg cctgggagag ggacccaggc acagatggct 104100
aaaaggcttc cctctctcac ctgctggcca atagcagctt tagagattat tacaatcaaa 104160
acagcttccc caaagacaag ccacggactg catccagtaa acatgctcag atcctgacat 104220
ccttgaaacg tatcccgtgg cattgggcat ttgtgttttt gaaaaatgtt tattttgctt 104280
ttttgtttac ttattgagta aacttaaatt gtgaaaatgt cagaggtgtt tgaaccacag 104340
caactccatc ttgaataggg gctgggtaaa ataaggctga gacctactgg gcagcattcc 104400
caggaggtta ggcattctaa gtcacaggat gagacaggac attgatgcaa gatacagggc 104460
```

```
agaaagacct tgctgataaa atgggttgtg gtaaagaagc cggccaaaac ccaacaaaac 104520
taagatggtg atgaaagtga cctctgttca tcctcaccac tcattatatg ctaattataa 104580
tgcattagca tgctaaaaga aactcccacc agtgccatga cagtttacaa atgccatagt 104640
aatgtcagga agttaccctta tatggtctaa aaaagggagg aaccttcagt tcctggaatt 104700
gcccacccct ctcctggaaa actcatgaat aatccactca ttgtttagca catgatcacg 104760
aagtgactgt aagtatgctc agtcgagtag cccatgctac tgccttgcct atggagtagc 104820
ctttctttat tgctttactt tcctaataaa cttgctttca ctttatggat tcaccctgaa 104880
ttctttcctg tggaggtcca agaactctct cttggggtct ggatcaggac ccctttctgg 104940
taacaaaaac aaaatgaaat cctgttagtt tctttgggga gggagaatga ttttgtgttt 105000
gtttaaaaac cagatttttac atttttagggt tttagctttt tcatttatat tcctaattct 105060
ccttcctttt aaaattttct tttgagagga aagtaaaata tcgagatttt gggtcttaaa 105120
aaagtcctga gttattttaa tatgatcttg tgctttgact ttccccaaat cccaactgtc 105180
acagtgtcct cttggcccag tagcctctcc ttaggatcac aagaagtgaa cagggaccgg 105240
gtatgatcct tctgacagca aaggcatttt gtcaagtgtt ttctgttatg tggcacctta 105300
catttctcac tgttggttta tttagaatat tctacgtcct cagattttaa gaaaaccttc 105360
catttttgct gtttgtatta atgccaatga tagtatatta acaaggataa aaatgtggac 105420
aagtctacac attttttgtt tgtttgtttt ggaaaatgac tcaaggcatc tccaatatat 105480
atctaaaatt gagccattca gtagcctcac tggtagtaat gatcaattaa ttagctatca 105540
ttagtcatat caatttaaat attactgatg attttctctt tgcctggaca gttcaagggc 105600
tctagttaat tttaaaagct cagtggagct agatgttttt cagtatgtaa acaatgagcc 105660
atgcaagggc atctgtgcca gcaaatggca ttaatgtttt cttaagtgaa tagtccactt 105720
ggacggatgt ggaatacttc ttcagcacca aaaagacctt cttgccccat gccctgccct 105780
ggtctatgga gggtggcagc accaatgggc agaaatgccc cacttgtgtg gttagaagat 105840
gatggcctca cagcacatgg agacaggaca gcttgcttgc tagttcacta ctgcccccct 105900
gaaaccaaat gtttatgtcc cttccactgc aggtcactgc tgcttaagag accctgacag 105960
gctgacctgc acaggagccg aaggcctgca tggccacaga cattaactgg tggagatgga 106020
atcccactcc attgaggaag accaagtgga acacccaggc agaaggaaca aagaagtaga 106080
aaggcattta atttattgga aaaaaaatga gagagagaga gaaagagaga gagagaaagc 106140
aagagagaca gagagacaga gagagagaga gagagaaaga gagagagaga aagcaagaga 106200
gacagagaga cagagagaga gagagagaga gagagacaga cagacagaga gatcctaagg 106260
ggatgcagtt agtataattg gagtgtaaaa agactttctg taaccacaaa catgatttct 106320
gaatgaagac ttcaatagag aaacagacaa agagaataat cactgtgaga tgtttggtct 106380
cttgtattaa aagaaaagct ttagacaaat taaatttagc agtttaattg agcaaagaac 106440
aattcaagaa tagggcagcc cctaaaccag agcaggctcc gagtgacttt gatgctgtct 106500
catagttgga taggatttat gggcagaaaa aggaacgtga tgtacagaaa atggaagtga 106560
ggtacagaaa cagccagatt ggtgatggct cagcatttgc cttacttgag cccagtttga 106620
acagctggcc actgtgagtg gctgaagtct ggccgctgtg attggctgag acttggttac 106680
ttgctatgag agtaggtgac agtctgttta cacatccagt taggttacag ttcactatgt 106740
acagagaaac ttttaggctg aatttaaaat atgtaaggag aaaagtttaa gctaaactca 106800
ttaacaccta gaagagagaa ggtgttcatt cgacaactaa ttatggagca cctactatgt 106860
gccaggaagt gctttgtgca aaatagaaga acatgtaacc caaatacagg gtgaaactac 106920
aaagaaatgg aagccataaa tgaaactatg agagacataa accaaaaata aaattctaag 106980
cccctgaact gactgatgga ccctcccctt ggccaagggc attccaaagt taacctgaaa 107040
aattagttca ggccatgata ggaatgggtg gctaaacgtg cctcattgta ctctcctcct 107100
cttggaattc aggcacaact gatcagcatt cacatcaaca cagagatgtt aagcccatta 107160
gaacagactc tttaagattg ataagaaaca tttacaattg attctacctg aagcctgcta 107220
cctggaggct tcatctgcat gataaaaaac tttgtttcca caaccccta tcttaaccta 107280
gacattccaa gttttttagat aataattctt ttaagcagtt gccaatcaga aactctttga 107340
atctgcctat gacctggaag ctcccctccc ccaagttgtc ccacctttcc aaaaccaaac 107400
cactgtccat cttacatgta ttgactgatg tcttatgtct ccctaaaatg cacaaaagca 107460
agctgtaccc caaccacctt gggtgcatgt tctcaggatc tcctggggct gcatcatggg 107520
ccactggtca ctcatatttg gctcagaata agtcttttca aatatttcac agagtgtgac 107580
tcttttcatt aacagacatg aaagccagat acagatgtaa tatgcaagga gtaaaagctc 107640
caaaaggaga gagagtaata tatggagaag tgaaaaaaat caaagaaata aaagaagaac 107700
tcctttaagc tgaaaaatac ttcaatatct taagtctgtg aaaggaaatt aaattttagg 107760
accccaaact catttagcca aagggaaatg tcaagctggg aactgtgtca tgcaaacctg 107820
cctcccccctt ttggttccta aataagatgg ctatgatgaa aagctacatg tctccaccat 107880
```

```
attttgctca caaggaaatt cctagtgaac cgttaaaatt tcaccatggc aatgcaaatt 107940
gatagcttat ctttacaagt gcagtcaccc accagataca aatgcatatc tgattgttcc 108000
cctgccttac tttatctatg ttctcttatg taaaatgcag actccctgca tttttcctct 108060
gcctcatttg tttatgtcat cttatgttaa aaaaaatgca gattcactga gccagagaaa 108120
ggcatgaata actatttttc cctgccctgc tcttacatga aaattgtgta cttctcaata 108180
tcccgccctt ttccctttaa atttggagcc ctcaaaatca ccttcagaga aaggcatagt 108240
gctgtctccc gggcatgcgt ccttaacttt cgcaaataaa tttcctaaaa tgattgagac 108300
ttgtctcgtc atttttctca atgacaagtc ctaggtgggg gggaaaaaaa aaaaggaaaa 108360
agatacacct aggtatatac tgaatacatt ttaaaatgtc caagagacag gagaaacaga 108420
gacagagaga aggaaagaga tgcagagagt gaacgagaga ggaagaaagt gggggaggga 108480
gggagataga aactctagga aaagaaacaa actatcatta gatttctcct ctgtcattct 108540
gaaaatggga agactgaagt gtatacacac tttttttaga tcgtcatcta agcctctcat 108600
attgtcatca atgagggcag gggaatttgt ttgaggggat gggtagggg acaggacgac 108660
aagcacagac tcagatctta cactacacat ggaccttctg aggaaattaa ttgaacaagt 108720
tcagctgaac aaaaattaaa ttagaatgaa tcaataaact cctaaataca gcaaagaata 108780
tgcattataa aactacagca aatataatag taaacaaaga aacaaaaata tgagagggat 108840
gttcatcact actaccacta cttgttttgg gaattccaga catggaataa gaaaagaata 108900
tcagtggtgt agataatgga aagtaagaga caaaattatt aacatttaga taatatgagc 108960
acattaacta accagactca ctaacaacaa acaaacaaaa acaagtgatt agaaccaatg 109020
aaagaattca gtaagggacc aacacacagt aaatgtaaga aacaagtaat ttacatttat 109080
cccagcaata tttttgcaaa cagaaaaata tcctactcag aacagcaaat gctaaatgta 109140
gagtagctag aaaggtgaag gacctgcatg aagaaaacta gaattctat ggaagtacgt 109200
tgacacagga tctagagagg tggaaagaca cgctgtgttc ctggatggaa agactgaatc 109260
tcagtaaaat gccaacacat aacacagtta tgtgaagttc aaagtaattc tcattatgaa 109320
aaacttaaga aagaacagtg agatatgtaa cagacattaa catttattag aaagttatga 109380
taaccaaaag ctggtgctgg ggtctcgagt agaaaaatag gctaacacat aaagtgcgga 109440
aacagaccca gagactatgt atacataata caaaactcgc caacacttat ccagtgcttt 109500
ctatgtgcct actactattc tctgtgtttt catggtttaa cctattatct caaaccccta 109560
aaaggaaggc actgttattt ccctcatttt acagatgagg gaagtgaggc acagacagat 109620
taaacaactt tcacaggact ggagaaagtg ccagtaagtg tgagttgagc ccagacactc 109680
gaatccagag ctcatgactg ccatcctatg ccagcttgta ccgtgggtat catcatccct 109740
gtcatccaag tcaggaggaa agacatcatc cctgtcatcc aagtcaggaa cgaatgctac 109800
cgggagagtt ccacccaggt atgtatgaaa acacgtggca ggagtggggc atggtggcgc 109860
acgcctgtag ccccagctac ttgggaggct gacgtgggaa gatggattga gcctgggtta 109920
gtttgaggca gcagtgaacc atgatcatgc cactgcactc cagcctagga aacagagcaa 109980
gactctgtct caaaaaaaaa aaaaaaggta gatgaatgaa agctctaaac tcaaagggga 110040
aattataaaa gtattagaca aaattacggg ggaagtattt gtgtaacact gggatggaaa 110100
gggttttctt aagcaaagga ggaaacccaa aagttataga tgtaaacaat acatagttaa 110160
taaaataaag aactaaaatc tcctgtggca aaagcaacag aagacaaata ataaatgcta 110220
tacatatgta acaaacggat actatcctga tatagaaaga gctcctttag attaataatt 110280
gaaagaacaa tagggaaaaa aagcttataa ataggcaatg cagtgatgct tattagtggt 110340
caggggagtg cagactaaaa caaccacaag gtcttaggga ttttttagact gtcaaacaag 110400
gtcatcgggt actgacaaat gtatggatgg gcaaaagtat cttttcatac acagctggta 110460
ggaccgcaaa ttacgataca attttgtgaa aggatttttg tcggtatttc ttaagatgaa 110520
aaaatgctga tttgttccag caatctgagt tctggaaatg gatctgccat taattaaagc 110580

accagtacat caagatgttt gtacaaggtt ggttctggca gcattgtttg tactgcaata 110640
cccaaaacaa acaaacacat ctacaaatgg gaaatgaact gaacgtcagt gaatagggga 110700
atggctaagt aaattatggt gcattcccag aaggcaagaa atagtagcag tttaagaagg 110760
ggaaaatata tgagatacta tttcacacgc aagaatgaaa acatctgaag atgcgaagtg 110820
ttgatgatgc agggaaacag tgaatctcag aaacagttac tggggtgtct actggcagaa 110880
tgcctttgga aaacaatcag caatatctag aaagcttaaa aacacgtggt ctgcaaccct 110940
gcaactctac ttcttggaat attccctaca gtaactcttc catgagagca cagagagatg 111000
tgtgagaaag ctcactgtcg cttggtttgc aacagctaga aattaaagac agcccgcctg 111060
cccatcagca ggagagcgga cgagcgcatg ggttattcag atactgatat gccatgaaga 111120
agttaactgc atgaaccaca tctatctgtg tcaaccagat cctcttcaat acttagtgat 111180
gagtgaaaag tgcaggtcac ataatgatta gattaaatta tatcgattaa caaacaccta 111240
```

```
cactttgcca tttactgctg tgtgtgagtg tgcatgtaac acagacagat gtggtcacag 111300
tgggagagca caagctgtgg gctatgacct gggtctgctt ctccttctcc ctgcgtggct 111360
gagtgagtaa ggagggcctg caagaagcgc cagctttctg acatagtgtg gactattctt 111420
agtcattgct ttacttccaa actctgatct ggaagcctga gaaatcttct gagaaagagg 111480
aactccaaga ttgtgcagac agtgcaaagt tcagtgtttc ctgaacggaa gcaaaggagg 111540
gtttctgaaa aggacagatg agtggaagga ggaagaaaaa aatgattaaa tctaagaaag 111600
ggggaaacga tctcaccaga agcccctgc tgcaagatta tgataatgtt aagtagctcc 111660
cagataattg ggctagtttg tgttatctta gatgagtaga tagcaaagtc taattagagc 111720
cccactaatt catactaaag tgttagtggc ttataacaaa ttaaatgaat tttatgggca 111780
ttttatctta acccagattc acaggccaga agtgctctga gaactggctg caggggcttt 111840
gccataggtg tctgaaacag ggagggaagc caaggaagaa gcatagaaac aacagccctt 111900
tgggatggga ggcagagctc aagcacaacg tgtgcactgc accaggtatg gaagtctgga 111960
aacacatcat atggtgcctg agctgagagg cttgtgcaca aatactctaa aacaaatcac 112020
acatttataa acccttaaca tgacccacag cacagcaggt tactctccca cacttgatgc 112080
taatggcatg taagttttat ttttgatttt tcaattggga aatagaatat ataaaatatg 112140
tatggatatg tatatatgca cacacacact cacacatgca gaaaaatgta caaaacacct 112200
gtacgaacac catccaggta aaaaatcaga acattgtccg taccctcacc cccacctttc 112260
ccaatcaacc ctccttccat ccccggtaat gaccatcctc ggctttatga taatcatttt 112320
cttgttattg tttaaggttc cgctatgaca cacctcccta aacaatttca ttccaaagtt 112380
atgaattggc cagacacgct cctggcttct ttccttcaac actgcgtcag tgaggtttgt 112440
ccatgttagc agcagtttgt tgattttcct tgcagtgtag aattttcctt gacaatttgt 112500
ctgttctact gtttgttgga cattgagttg ttgccatttt ttggccatca tgagtaatgc 112560
tgttgtgagt atccaggcgc acatgcacac aaatttggat cccactatag gatttctggg 112620
tcatagatta taatgtagct tcagttttat gacatattgc taaattgttt tccacggagg 112680
tcttaccaac ttgtcctcct gccggtggta tatgagtgtt cccagccctc tggatcttct 112740
ttaatactca ggtgttgtca gttgttgaag tgttgcccat ctgggggcat atgtgtggta 112800
gtagcagcag ttcactgtga tcttctgatt tccccgagtc ctaatgaagt tgaacacctt 112860
ttgtatactt gctgcttata tttgtacag taagtactca aacttcttgc ccattttcta 112920
gtgaatgaca ctccccttct taaagatttg taggtccttc acatactagg aataattctc 112980
gtcaatcact ccatgacttg ccttcactct ctcctggtgt ctttcaatga acagagtgtc 113040
cttatcttga gggaggcaaa cttaccaatc ttttcctttg tgtttaatat gttctgagtc 113100
ttgtttgaaa aatcctttta gcttgagacc tggaagaata atcacctgta gtctaaatgt 113160
cttacagttt tgcctttaac ttttaagtct aatcaacccc aagctgagtc tcctgaatgg 113220
caagaggtgg agtctgattt cttctccttc tccttcagcc ctccgtgctg gctggcccct 113280
gtcctcgaga tgcatgtcca gtggcccagt gccacccatc agccgagccc tccgtagcag 113340
acccagtacc cacatacgtg tggctgtttg ttgtttcttt attctgtttc aaggaatgtt 113400
tttgatgaaa aggggatga agctaagaca gttttgaggt ggggcaattg tgttcttggt 113460
gtgggatttc tcaccccttg acagcagtgg gtggctgggc ataggggaag aaggagctac 113520
agggttgagg gatgctgttg caacttagaa aaattaagaa aaatgaagat attgctcagt 113580
tatggcaagt gtttgatgaa acagggaccc atacatggct cgtgaaaact ggttaaagat 113640
ttttttttttt tttttttttg agacggagtc tcgctctgtc gcccaggctg gagtgcagtg 113700
gtgcaatctc ggctcactgc aagctccgcc tcccaggttc acgccattct cttgcctcag 113760
cctcccgagc agctgggact acaggcgccc gccaccacgc ccggctaatt ttttgtattt 113820
tttagtagag acggggtttc accgtgttag ccaggatggt ctcgatctcc tgacctggtg 113880
atccacccac ctcagcctcc caaatggtta agatttttg aggagaaatt tgtcaatgta 113940
tactaataac ttttactatt tggtaatttc atatctgggc atctgtccta ggaaaatact 114000
taataatgta tacaaatttc acatacaagg gttttcactt tgcttataag aatacaaaaa 114060
ttagaaacct cctaaatgtc cagggaagct gggtgtttaa gtgaatgatg aggcatccat 114120
ccaatggaat agtacataga aactagaata atgtttatga tgagattttg aaaatatggg 114180
aaaatgattt ttgctacact gctaaagggc agcaaggagg atgcaaagtg gtatatatag 114240
cacaatccca aattttaaaa agtgaataag acaaagtgaa aacaattaaa catgaatttt 114300
tatgaaaaag ttcataaaat tcataattca tacagaaaat aggtatttt ctggctctat 114360
attattttcc ttctttact tttttgagtt aaaaaaacaa cccagatata ctacatattc 114420
cttgtaagaa gttcaactat tgagggatat gtagaaagt atcacaatat tggctcccaa 114480
aggcccctcc acagcccagg taacttcact gtccatgtag aatgattcct tccactttct 114540
tcccttggaa ggaggcacag actcaaatgt ttccaggggc caaagcagga aatgaaatga 114600
aagaaaacct tgatatagac aacagacaag tgtggactgg ggaagcctga agaatatctc 114660
```

```
tgtttactca taagtcaata atgatccatc aaacacttgt agaggctgga tacagcccat 114720
cagccaccca tttccagagg agcactctgt aatgtgttat tatcttccaa aaagctttac 114780
tgagatacat ttacatacca ttaaattcac cccttaaaaa tatgctatca aaagatttta 114840
atatatttgc agagttgtat gtgtaaccat cattataacc caattctgaa ataatctcat 114900
ccccagagga cacctcgaac ccattaacat tcactccttg tttcccctcc ccaactccta 114960
gtgctaggca actactcacc tactaacctg actctgtggg tttgcctatt ctggacattt 115020
catacagata gaatcacaca atatggggtc ttccgtaagt gagtttttcca tttagcatat 115080
ttttgaagtt cattcagtgt ttggcatcta tctgtagttc atttctttttc ttttcttttc 115140
tttttttgaa atggagtctt gctctgtcac ccaggctgga gtgcagtggc gggatctagg 115200
ctcactgcaa cctccgcctc ccgggttcaa gtgattctcc tgccttagcc tcccaagcag 115260
ctgggattac aggcgtgcac caacatgccc ggctaatttt tgtatttttg tagacatggg 115320
gtttcaccat gttggccagg ttggtctcaa actcctgacc tcaagtgatc tgcccgtctc 115380
aacctcccaa agtgctagga ttacaggtgt gagcctccgc gcttggcatt cattcctttt 115440
tgatgccaaa aaatatccca ttgtatggat aaactatatt ttgtttattc attcctcagt 115500
taatggaatt taggttgttt ctactttttg actattgtga acaatggtgc tataaatatg 115560
tgtgtacaag ttttgtatag acatgtggtt tcaatattct tgggtagagg cctaggagta 115620
gaattgctgg gtcatattgt agctgggttt cagattttga ggaaccacta aactgttttc 115680
tgaagtggct gcatcatctt acattccggt agcagcatca gggttccagt ttctccacat 115740
ccttggcagc acttgttact atctgtcttt tttattctaa ccattttagt ggttagaatt 115800
gtatcttgtg gttttgattt gaaatttcct gatgattaat aatgttgagc atattttcac 115860
gtgcttattg gagattcaca aattttctct ggagaactat ttaattaaat cctttgctaa 115920
tttttaaacg gggttttttg tacagaatat tttaaaattg agttgtcaga gttctttata 115980
tattctggat acaagtccct tatcagacat atgatttaga tatttтctcc attctgtgga 116040
ttgtcttttc actttattga tgatgtcctt tgaagcatag atcttttaca ttttaatgac 116100
atctaacttg tctactttct tttgctgcct gtgctcttgg tgccatatct aagagacttt 116160
gccgaaccca agattatgaa gacttacttg tatgttttct tccaagagtg ttatgttgtt 116220
agcccttact tttagatcta tcatccattt tgaattaatt tttaaattta tctagcagcg 116280
ttattgaaat ataatgcaca tactgtaaaa tttatccatt taaagtgttc aattcaagga 116340
tgtttagtat taattttttac acaatggaca accatcagtt ttagaacatt ttcatccccg 116400
gcaaaaggaa cactgtatcc tttagctgtc actcccatga ccacttcctc attccctgcc 116460
cctaggcaac cagtaatcta ctttatatct gtacagattt ttcttttcca gaaatttcat 116520
ataaaaggaa tcatacaata tatgatcttt tgtgactggt ttctttcact tagcataatg 116580
tttttgagat tcatccatgt tgtaacaagt gtcagtattt cattcttctt tcatggtcaa 116640
attatataga tatactatat tttatccatt catccattaa tggacgtttg ggttgtgtac 116700
actttttgat agttacaggt catgctgcta taatcatgca tgtacaagtt tttgtgtggg 116760
catatgtttc catttctgtt gggaatatgc ttaagagtgg aaatgctgtc atattgtaac 116820
tctctgttga acagtcagga gctagcagac tgtttcccaa gcagctgtgc cattttacat 116880
tcccaccagc agtgtatgag ggttctgatt tctccacatc cttgtcaaca cttgttcttg 116940
tcggattttt ttattctagc catcctagta tcaagtggta tctcattgtg gtgttgattt 117000
gcatttccta gatgactaat gggtccttgg agaaatatct attcagatcc tcactcattt 117060
ttttcatttt ttaattggac tatttgtctt tattgagttg taagagttct ttataaatta 117120
tggatggaag gcccttatca gatatacaat ttgtaaatat ttcttccatt ctgtggttca 117180
tcttttcact ttcttgatgg tgtcctttga aacataaagg tttgtaaatt tgatgacatc 117240
actttatcac tttatctatt tttcttttgt tgctgatgct tttggtgtca tatcaagagt 117300
cctttgtcaa atccaaagtc atgaaggttt actcctgtgt tttcttaaaa gagttttata 117360
gttttagctc ttacatttag gtaggtattt gactcatttt gtgttaattt atgtatatgg 117420
tgtgagctaa ggatccaact tcattctttt gcatgtggct atccagtttt gctaggacca 117480
tttgttgaaa agactattct ttctctgtta aactgtcttg ctgcttctgt caaaaattaa 117540
ttggccataa gtgtaagggc ttatttctgg actctcaagt ctatttcatt gatctatata 117600
tctatcctta tgccgatatc acattgtctt gaatactata gctgtgtagt aattttgata 117660
ttgagaagtg caagtcctcc atctttgttt tcttttatc aagattgttt tggctattct 117720
gggtcccttc catttccata tgaatttgca gaattgacag cttgtcaatt tctgcaaaga 117780
aatcagctag aattttgata agggttgtgt tgaacgtgta cattaatttg tggggtattg 117840
ccattttaac aaaattaagt cctctgattc atgaacatga aatgtctttc aacctattta 117900
gatcttcttt aataatgtta aacaatgttt tgtagtttca ttgtacaagt ctcagactac 117960
tttgttaaat ttattcataa atgtttactg tttttgatgc tattgtaaat tgaacttttt 118020
cttactttta tttcacatag ttggttgtta atgtatagaa aaacaattga ttatcttgta 118080
```

```
tcttgcaatc ttggtggttt attagttcta ataatttctt ttggtgaatg ccttcagatt 118140
ttctatatat aagatcatgt tatttgtaaa ttgtggtagt tttacttact gtactccatt 118200
gtgggtgcct ttacttatct ttttattccc taactgagct ggctagaccc tccagtacaa 118260

tgttgaatag aagtagcaaa agtgaacatc tttatcctgt ttctggattc agcctttcat 118320
cattaagtat aatgttaact gtgaattttc ttttttttgtg tatgtggggg gacggagtct 118380
tgcttgtcac catgctggag tgcagtggca tgatctcagc tcactgcaac ctccgccttc 118440
tgggttcaag tgattctcct gcctcagcct cctgagtagc tgggactaca ggcgcatgcc 118500
accacacaca gctacttttt gtattttagt atagacgggg tttcaccatg ttggccagga 118560
tggtctcaat ctcttgacat cgtgatccac ccgccttggc ctcccaaagt gctgggatta 118620
caggtgtgaa ccaccacgcc cagcctaatt gtgaattttc aaacctttat caggttgagg 118680
acattttctt caattcctat ttttttgagtg ttttatcatg aatgggtgtt ggattttgtc 118740
aaatgccttt tttgtatgtc tattgaaatg attatgtact ttgttttgtt ttgttatttta 118800
ctctattgat atggtgaatt caattaattg attttttggat gttaaaccaa ctttgcattc 118860
ctgggctaaa tcccacatgt tcatattgtt taatgccttt tatatacttc tgggttaggt 118920
ttgctagtat ttcgttgaaa atgtttatat ctatattgct aagggatatt ggtttatagt 118980
tttcttgtga tgcctttagt tttggtataa tatgggtatg agacaatgaa ttgggaagtg 119040
ttccttctat ttcttaaaag agtttatgca agatcagtat taattctttta aatgtttgat 119100
agaattagcc agtgaagcta tctgggtctg ggcttctatt tgtgggaaat tttagaatta 119160
gtaattcaat ctctttggtt gtgattgttt tattcagatt aactatttct tcatgagtca 119220
gttttggcag tttgcgtctt tctaggaatt tgcgcatttc atttaactag tttgttggca 119280
tgcaattgtt catagtattc ttttttatta attttaattt ctgtattgat tttccctcat 119340
tttatgagtc tcatttttcc ttttttattc attttaattt ctgtattgat tttctcttat 119400
tgctcatttt aatggtttga atcctctggt cagttggctg aagagttgtc aattttattg 119460
ctgatcatgt atcactttta taattgaatt gttataagaa gacataagaa gtaagaggca 119520
acccctacaa tggagaacat taaggtacac tcaagctttt ctgcccattc ttcctacatg 119580
ccaatatggt tgatccaaag ttattttcat tactctcctc tccatctctt gtctggagtt 119640
gtaggtaagg tgaagtttgg ggattgtgca cccacactgg gagctggtgc cttggtgact 119700
ttccagcagt gacaggccat acactgtgga aagggtttat ttcataccat gctcttgaga 119760
tagaagaaac catggccccg tggccactcg atctgatgtc ataactcacc gatattgttt 119820
ttgccgtgtt tccagttctt tacgtcggtg ttgcttgaga atgtgaattt ggtcatctcg 119880
ggccaacttt gctgtaaaga aagaacaaca tgagaggagc ctgaggaaga acaataacaa 119940
tgcccaatgc caagtgttca ggcttccctc agatgccctg cccatgccga gtgctttatg 120000
tgcatgacct catttgagcc tcagagcact tccccaatta atgatgaaga aactgaggct 120060
tagggaagtt gtgtagcttt gctcttgaac tttacccaag gtcacacacc taattagtga 120120
attttctttt tttttttta attctacttt aagttctagg atacatgtgc acaacgtgca 120180
ggtttgttac atatgtatac atgtgtcatg ttggtgtgct gcacccatta actcgtcatt 120240
tacattagtt atatctccta atgctatccc tcccccttac ccccacccca tgacagacct 120300
tggtgtgtga tgttcccctt cctgtgtcca agtgttctca ttgttcaatt cccacctatg 120360
agtgagaaca tgtagtgttt gtttttttgt ccttgcgata gtttgctgag aagggtgatt 120420
tccagcttca tccatgtccc tacaaaggac atgaattcat ccttttttat ggctgcatag 120480
tattccatgg tgtatatgtg ccacattttc ttaattcagt ctatcattga tggacatttg 120540
ggttggttcc aagtctttgc tattgtgaat agtgctgcaa taaacatacg tgtgcatgtg 120600
tctttatagc agcatgattt ataatccttt gggtatatac ccagtaatgg gatggctggg 120660
tcaaatggta tttctagttc tagatccctg aggaattgcc acagtgtctt ccacaaaggt 120720
tgaactagtt tacagtccca ccaacagtat aaaagtgttc ccatttctcc acaccctctc 120780
cagcacctgt tgtttcctga cttttttaatg attgccattg taactggtgt gagatggtat 120840
atcattatgg ttttgatttg catttctctg atggccagtg atgatgagca ttttttcatg 120900
tgtctgttgg ctgcataaac gtcttctttt gagaagtgtc tgttcatatc cttcgcccac 120960
tttttgatgg ggttgtttgt ttttttcttg taaattgtt tgagttgttt gtagattctg 121020
gatattagcc ctttgtcaga tgagtagatt gcaaatttt tttcccattc tgtaggttgc 121080
ctgttcactc tgatggtagt ttcttttgct gtgcagaagc tctttagttt aattagatcc 121140
catttgtcca ttttggcttt tgttgccatt gcttttggtg ttttagacat gaagtccttg 121200
cccatgctta tgtcctgaat ggtattgcct aggttttcct ctagggtttt gatggtttta 121260
ggtctaacat ttaagtcttt aatccacctt gaattaattt ttgtataagg tgtaaggaag 121320
ggatccagct tcagctgtct acctatggct agccagtttt cccagcacca tttattaaat 121380
agggaatcct ttccccattg cttgtttttg tcaggtttgt caaagatcag atggttgtag 121440
```

```
atgtgtggtg tcatttctga gggctctgtt ctgttccatt ggtctatatc tctgtttttgg 121500
taccagtacc atgctgtttt ggttactgta gccttgtagt atagtttgaa gtcaggtagc 121560
atgatgcctc cagctttgtt cttttggctt aggattgtct tggcaatgcg ggctcttttt 121620
tggttccata tgaactttaa cgtagatttt tccaattctg agaagaaagt cattggtagt 121680
ttgatgggga tgacattgaa tctataaatt accttgggag tatggccatt tttatgatat 121740
tcattcttcc tatccatgag catgggatgt tcttccattt gtttgtgtct tcctttattt 121800
cgttgagcag tgatttgtag ttctccttga agaggtcctt cacatccctt gtaagttgga 121860
ttcttaggta tttttattctc tttgtagcaa ttgtgaatgg gagttcactc ctgatttggc 121920
tctctgtttg tctgttattg gtgtataaga atgcttgtga ttcttgcaca ttgattttgt 121980
atcctgagac tttgctgaag ttgcctatca gctttaagga gattttgggc tgagacaatg 122040
gggttttcta aatatacaat catgtcatct ggaaacaggg acaatttgac ttcctctttt 122100
cctaattaaa tacccttttat ttctttctcc tgcctgattg ccctggccag aacttccaac 122160
actatgttga ataggagtgg tgagagaggg catccctgtc ttgtgccagt tttcaaaggg 122220
aatgcttcca gttttttgccc attcagtatg atattggttg tgggtttgtc ataaatagct 122280
cttattattt tgagatacgt cccatcaata cctaatttat tgagagtttt tagcatgaat 122340
ggttgttgaa ttttgtcaaa ggccttttct gcatctattg agataatcat gtggtttttg 122400
tctttggttc tgtttatatg ctggattaca tttattgatt tgtgtatgtt gaaccagctt 122460
tgcatcccag ggatgatgcc cacttgatcc tggtggataa gcttttttgat gtgctgctgg 122520
attcggtttg ccagtatttt attgaggatt tttgcatcga tgttcatcag ggatattggt 122580
ctaaaattgt ttttttttgtg tgtgtatctg ccaggctttg gtatcaggat gatgctggcc 122640
tcataaaatg agttagggag gattccctct ttttctattg attggaatag tttcagaagg 122700
aatggtacca gctcctcctt gtacctctgg tagaattcgg ctgtgaatcc atctggtcct 122760
gaactttttct gggttggtag gctgttaatt attgcctcaa tttcagagcc tgttattggt 122820
ctattcaggg attcaacttc ttcctggttt agtcttggga gggtgtatgt gtcgaggaat 122880
ttatccattt tttctagatt ttctagttaa tttgcttaga gttgtttata gtattctctg 122940
atggtagttt gtatttctgt ggaatccgtg gtgatgtccc ctttatcact tttttattgcg 123000
tctaattgat tcttctcttc ttttttttttt cttttttttt aattgatcat tcttgggtgt 123060
ttctcgcaga gggggatttg gcagggtcat aggacaatag tggagggaag gtcagcagat 123120
aaacaagtca acaaaggtct ctggttttcc taggcagagg accctgcggc catccgcagt 123180
gtttgtgtcc ctgggtactt gagattaggg agtggtgatg actcttaagg agcctgctgc 123240
cttcaagcat ctgtttaaca aagcacatct tgcactgccc ttaatccatt taaccctgag 123300
tggacacagc acatgtttca gagagcacag ggttgggggt aaggtcatag atcaacagga 123360
tcccaaggca gaagaatttt tcttagtaca gaacaaaatg aaaagtctcc catgtctacc 123420
tctttctaca cagacacagc aaccatccga tttctcaatc ttttccccac ctttccccct 123480
tttctattcc acaaaaccac cattgtcatc atggcccgtt ctcaatgagc tgttggctac 123540
acctcccaga tggggtggtg gccaggcaga ggggctcctc acttcccagt aggggtggcc 123600
aggcagaggc acccctcacc tcccggacgg ggcagctggc cgggcggggg gctgacccccc 123660
ccacctccct ctcggacggg gcggctggcc gggcggggggg ctgaaccccct ccccctcccgg 123720
acggggcggc tggccgggcg gggggctgac cgcccccac ctccctcccg gacagggtgg 123780
ctgccgggcg gagacgctcc tcacttccca gacggggcgg ctgccgggcg gaggggctcc 123840
tcacttctca gaaggggcgg ctgccgggcg gaggggctcc tcacttctca gatggagggg 123900
ctcctcactt ctcagatggg gcggctgccg ggcggagggt ctcctcactt ctcagacagg 123960
gcggccgggc agaggcgctc ctcacctccc agacagggtg gtggggcagt ggtgctcccc 124020
acatctcaga tgatgggcgg ctgggcagag acgctcctca cttcatccca gacgatgggc 124080
ggccaggcag agacgctcct cacttcctag acaggatggc ggccgggcag agacgctcct 124140
cactttccag actgggcagc caggcagagg ggctccttac atcccagacg atgggtggcc 124200
aggcagagac gctcctcact tcccagacgg ggtggcggcc gggcagaggc tgcaatctcg 124260
gcactttggg aggccaaggc aggcggctgg gaggcggagg ttgtagccga gccgagatca 124320
cgccactgca ccccagcctg ggcaccattg agcactgagt gaatgagact ccgtctgcta 124380
tcccggcacc tctgggaggc cgaggctggc ggatcactcg cggttaggat ctggatatta 124440
gcctgttcta cacagtgaat ctccgtcttt accattttat tatgttatat tagttctgcg 124500
tggtggtgcg cacctgtctc tctcatgcac tcggctatgc tgtagcatga caatccgtca 124560
gtgttgttgt ttcgactctt gagtcgcctc gacactcagt cttggtgctc cttatcatat 124620
ggagatcgtt ggtcgtcgtt tcttgtttgg gtttttgcttg tgccttttct gtttattgta 124680
tcgcttatga tcgtgatgtt gtcttagttg cttgttggtc tctagtgtgt tttttgtgtt 124740
gtatcttgtt cttgcgttga gtgggttggg cgttggcccg aggctttctt ttggttctgt 124800
ggtgtctctg acgtttttgtt gctctnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 124860
```

```
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 124920
nnnnntagat ttggacgtta tgttttgagt attttatttg attgggtatg gttagtagta 124980
ttgaggggca tgtgggttaa ttaggttttg tatagattat atttattta tttattgtat 125040
tttaatgatt agatgttggt tttaacgtga tagatggtgg gtatagatta tagatgtgag 125100
tcggtgagct atatgggata ggtaggttgg gtgtgtcgtg cttctcgcgg cctctctcag 125160
cagtgtgctt cggcctcgag accaccaact caacatcacg tccatctcat ttcgcgctac 125220
gacacactca tgtctgtacg cacgagtgta tcttctcgcg agcgcttctg tctggcgtgc 125280
tgggggggcg tgggggggg gggcggggcg ggggagata ggacgtggaa gaggagagat 125340
ggcagagggg agatggcaga gggagagctg aatcttctct tttcttcttt attagtcttg 125400
ctagcagtct atcaattttg ttgatccttt caaaaaatca gctcctggac tcattgattt 125460
tttgaaggga tttttgtgtc tctacctcct tcagttctgc tctgatctta attatttctt 125520
gccttctgct agcttttgaa tgtgtttgct cttgcttctc tagttctttt aactgtgatg 125580
ttagggtgtc aattttagat cttccctgct ttctcttgtg ggcatgtagt gctataaatt 125640
tccctctaca cactgcttta aatgtgtccc agagattctg gtatgttgtg tctttgttct 125700
cattggtttc aaagaaaatc tttatttctg ccttcatttc gttatgtacc cagtagtcat 125760
tcaggtgcag gttgttcagt gtccatgtag ttgagaggtt ttgagtgagt ttcttaatct 125820
tgagttctag tttgattgca ctgtggtctg agagacagtt tgttatggtt tctgttcttt 125880
tacatttgct aaggagtgct ttacttccaa ctatgtggtc aatttcagaa taggtgtgat 125940

gcagtgctga gaagaatgta cattctgttg atttgggggtg gagagttctg tagatgtcta 126000
ttagctccgc ttgctggaga gctgagttca attcctggat atccttgtta actttctgtc 126060
tcattgatct gtctaatgtt gacagtgggg tgttaaagtc tctcattatt attgtgtggg 126120
agtctaggtc tctttgtagg ttttttaagaa cttgcttaat aaatttgggt gctcctgtat 126180
tgggtgcata tacgtttcgg atagttagct cttcttgttg aattgatccc tttaccatta 126240
tgtaatggcc ttctttgtct ctttttgatct ttgttggttt aaagtctgtt ttatcagaga 126300
ctaggattgc aacccctgcc tttgttttcc atttgcttgg tagatcttcc tccaatccct 126360
ttattttgag cttatgtgtg tctccgcaca tgagatgggt ttcctgaata cagcacactg 126420
atgggtcttg actctttatc caatttgcca gtctgtgtct tttaattgga gcatttagcc 126480
catttacatt tatggttaat attgttatgt gtgaatttga tcttgtcttt acgatgttag 126540
atggttattt tgctcattag ttgatgcagt ttcttcctag cattgatggt ctttacaatg 126600
tggcatgttt ttgcagtggc tggtaccagt tgttcatttc catgtttagt gcttccttca 126660
ggagttcttt tagggcaggc ctggtggtga caaaatctct cagcatttgc ttgtctgtaa 126720
aggatttat ttctccttca cttatgaagc ttagtttggc tggatatgaa attctgggtt 126780
gaaaattctt ttctttaaga atgttgaata ttggcccca gtctcttctg gcttgtaggg 126840
tttctgccga gagatcagct gttagtctga tgggcttccc tttgtgggta acctgacctt 126900
tctctctggc tgcccttaac atctttttcct tcatttcaac tttggtgaat ctgacaatta 126960
tgtgtctcgg agttgctctt ctcaaggagt atctttgtgg tgttctctgt atttcctgaa 127020
tttgaatgtt ggcctgcctt gctagggtga gcaagttctc ctgcataata tcctgcagag 127080
tgttttccaa cctggttcca ttctccccat cactttcagg tacaccaatc agatgtagat 127140
ttggtctttt cacatagtcc catatttctt ggaggcttcg ttcatttctt tttattcttt 127200
tttctctaaa cttatcttct cgcttcattt cattcatttg atcttcagtc actgataccc 127260
tttcttacag ttgatcgaat cggctactga agcttgtgca ttcgtcacat agttctcgtg 127320
ccatgttttt cagctccatc aggtcattta aggacttctc tacattggtt attctagtta 127380
gccattcgtc taatctttt tcaaggtttt tagctttttt tgcgatgggt tccaacttcc 127440
ttctttagct gggagaagtt tgatcatctg aagccttctt ctctcaactc gtcaaagtca 127500
ttctccatcc agctttgttc caccactcgc gaggagctgc cttcctttgg aaggggagag 127560
gcactctgat ttgtagaatg ttcagctttt ctgctctgtt tttccccatc tttgtggttt 127620
tatttacctt tggtctttga tgatggtgac gtacagatgg ggttttggtg gtgtggatgt 127680
cctttctgtt tgttagtttt ccttctaaca gtcaggaccc tcagctgcag gtttgttgat 127740
gtttgctaga ggtccactcc agaccctgtt tgcccgagta tcagcagcag aggctgcaga 127800
acagcgaata ttgctgaaca gcaaatgttg ctgcctgatt gctcctctgg aagctttgtc 127860
tcagaggtgt acctggccat gtggggtgtc agtctgcccc tactggaggg tgcctcccag 127920
ttaggctact ctggggtcag ggagccactt gagggggcag tctgtccctt ctcagatctc 127980
aaaattccatg ttgggtgaac cactagtcac ttcaaagctg tcagacaggg acatttaagt 128040
ctgcagaggt ttctgctgcc ttttgttcgg ctatgacctg cccccagagg tggagtctac 128100
agaggctggc aggccttctg agctgcgatg ggctccaccc agttcgagct tgctggcaat 128160
gagcaaggct ctgtgggcat gggaccctcc gagccagaca tgggatataa tctcctggta 128220
```

```
tgctgtttgc taagactgtt ggaaaagtac agtattaggg tgggagtgac ccaattttcc 128280
aggtgctgtc cgtcaccact tcccttggct aggaaaggga attccctgac tccttgcact 128340
tcccaggtga ggtgatgctc acactcaatg ggctgccccc actgttctgc ccccactgtc 128400
caacaatccc cagtgagatg aacccagtgc ctcagttgga aatgcagaaa tcacccatct 128460
tctgcattgc tcatgttggg agctgtagac tggagctgtt cctattcggc catcttggaa 128520
ccagtctgaa ttagtgaatt ttcaacataa aactcaactc ctgtgctctt agccactcac 128580
tttacaaaag ccaaatccag ttcctcatcc tcttgcccac tcactcagca agccttgggg 128640
cccctgcctt tcagtgctta gagaatcatg ttcagatgca agagccaggc ttggttctca 128700
ctgggcttgg caggcacagt acatgcctaa ctctggcctg cgtgtgcatt tccacttgag 128760
gtcctaacct tccactcagc ccctcaagac tcttcaggga cctaagggcc cctggtgcag 128820
agctgccttt ttgctccagg agaaaggcat ttcgtggccc ttggtgggta tctttaaatc 128880
actgcagaat agtttactcc tcttctctga aattcttata ctgagcaaaa acgggagttc 128940
actctgggtt ttagtgttgc ctgtgagagc agcagttctc acagctctta tgtttctaag 129000
tccatttcat tgtttcatgg agaaatgtgt gacgatgaca caacccggtt tcctgtcgtg 129060
cctacacaga ggattgagaa tgagctccat tctaaaagag tgcagtgtcc tagatggctt 129120
tagaagagac acatgtgctt ggacttgggc tctgtcactg aagctgtgtg accaagagtt 129180
gccctgaccc cctcacatgt aaaatggaga tgataatgcc tacttctccg ggtcatggtg 129240
tgcatttggg gagagaatgc aggaaagccc tccacacggc gcctggcacg cagtaaatgc 129300
caatggatgg gaacaatgat cattatcatt atgcctatag tcatcactgg cctgagggtt 129360
ctgctcctcc ctctaagcct agctctgaga gcatcttatc tctcagcctg tcctgctgcc 129420
gtctctcact gcaggagttg gagcaggtag caggtagcta agggcggggc tgcttctcag 129480
agcctttaga gcagatgagg tcatatcatg accactcttt aaactattgc ttaaggccaa 129540
gcctgtgaac gcagcccata gagctgtgaa tagggggagc ccagatctcc tgaaaacagg 129600
tcctggaata gtttctctag ctctcgtggt aaagcattgt gttttaaaac ttacttttca 129660
acacagatta ttatattttt gtaaaatata ataaaaatta attactagaa aaatgaaatt 129720
ttaaaaaccc aaagatattc aaaatccaag tctttttttt tcttattagg tgcaaaagtc 129780
acaaaattgt tctgttaagt tgctataaaa gtttctaaaa cccctcctct gagtctttgt 129840
attttatttt gtatttattt tattttttt ttttttaaga gacaggtct ccctctgtct 129900
cccaggctag agtgcagtgg catgatcata gctccctgca gccttgaact tcaggactca 129960
agtgattccc caacctcagc ctcctaagta gttgggacta taggcacaca ccaccacacc 130020
tggctaattt ttttttttttt tttgagacag agtcttgctc tgttgcccag gctggggtac 130080
agtggcatga tctcagctca ctgcaagctc cacttcccag gttcacgcca ttctcctgcc 130140
tcagcctccc aagtagctgg gactacagtt gcccaccacc acatccagct aattttttgt 130200
atttttagta gagacggggt tttactgtgt tagccaggat ggtctcgatc tcctgacctt 130260
gtgatccacc cgcctcggcc cctagctaat tttcaatttt ttttgtagag atggggtctc 130320
tctacattgc ccaggcttgt gacaaaatcc tagactcaaa caatcctccc gccttagcca 130380
cccaaagtgc tggaactata ggcttcaacc tctgtactga tctaattgca gacctggacg 130440
cagttagttc tcagatgaca ctcaggccac attctgagct gtccacccga cagcacttcc 130500
aggctgagac atcttcatcc ttgagcttgg aactggggtc caaaaaggaa tattaacggg 130560
atacctctgc atcctcccct ggggatgtaa agccagccag gaggggaggc ttgaggccac 130620
agaaggcaag ctgagtatta atggtgacaa taactgttat cattggctat gggggtaatt 130680
ctggaggcac tcaacattca tcatctctta tctaccttaa ggaaccagct aatctcttgg 130740
gcaccttgac tctgaggagc tggatctctt cagtttcact ggtatgaata agtcagtaca 130800
tgcggaattg caacatgcca agtttcaaaa agagaatagt tctgtctccc ctggtcccga 130860
aggtgtttga agaatttatc caatggctga tgaagttctg ggagcacagc aggatgagaa 130920
agcctggact gacggcagaa gagctcagca gggcaggttc caaggactga cacagtgcct 130980
taatgaagct gtcccttcac acagatgctc tggatctgtg gggccacagt aatggccctc 131040
tgacattcat gttcacccaa ggtgtagtgg tgaaatatta gatttaaggg gtgatcatat 131100
ggtgagtaat tgaatcactt gtaggctggc ccccctcatt tccaggttgt tcaagggatt 131160
ggttgttttg ccatgtggtg gattaataat tggccacagc tggacatggt agctcatgac 131220
tgtaatccca gcactttggg aggccgagcc gggtggatca cctgaggtca ggagttccag 131280
actagcctgg ccaacatggc aaaacccttt ctctagtaaa aatacaaaaa ttagccaggc 131340
ttggtggcta cctggagcct gtaaaccaag ctccctagga ggctgaggca ggagaatcgc 131400
ttgaacctgg gaggcagagg ttgcagtggg ctgagatcgt gccactgccc tccagcttgg 131460
gcaatagagt gagactctgt cccaaaataa taataataat aataataata ggccacaaat 131520
tctttgacat tccttccatt gagagatggg ggggtctgca tccccacccc caccccggga 131580
gtctgggtgg gctctgtgac tgcttggacc agtagaatat gatggaagtt acagtgtgcc 131640
```

```
agtttccagg cccaagcctg aagagattgg cagcttccac tttctgtctc ttagaaaact 131700
tgctcttgga agccagccat catgtaagaa atgcaggcac ccagaggaca ccattctgtg 131760
agaagcctta aagaatgaga ctccatatgg acagagaggc caaggagcct agaggtgcca 131820
gacacatgac agaagaaggc ccagcccccct tcagctgatg ctacatggcc acagatgaac 131880
tgcccagtga agcctttcct aaaattcctga cctgcaagag catgaacaaa attaaatggc 131940
tgtttaaagt taccaaggag gttggttttta cagcagtaga gagaatggaa cttgctggac 132000
agcttctcta tgctcacccct ccaacctgtg ctgtccctga aagtgattgg aatgagatgc 132060
ctcaatgggt tttccactgg gaactctgac cagaaaggag ggaatgtgta gaggaaggag 132120
aggccaatca ctccccagaa cctttctact gagggccgca gctcctccaa gggtgctgtc 132180
tccaggatac ttctgcatta ctcccacaac cttcccccctc cccctgcatc aggactagtg 132240
gtgctgatgg ccccgcactc tgcatggtcc ctctgcacat gggcccacac ctttgtgatg 132300
cccctttgtt aaaccctcat cctagtgtac catctgtttt ttgccaagat gagctgaagg 132360
gtctgcagga agaagggctt cataaccgag accttgggta gatgtgcagg agggagtttc 132420
agagccagca ttttctaact accagaaaaa gagaagtgcc ctgtccacaa ccttccacat 132480
tctgttgacc acaggaataa atgaactttg tgatttttttt tcctgtcatt aggtaggggg 132540
acaaaaatcc tcttaactcc atgttcagaa atattctgga aatttggttt cttaagtcaa 132600
attccacatc agaaacgatg ggatgtggcc tggtagctta agaacagcag gtacagaata 132660
acttttttct cctttgtctc agttttctta gctataaaat ggggtaaca gtcatctctt 132720
cctacctacc ccaccaaact tcgtgaagaa cacactagct acaggaaact tggcaaagag 132780
aaagagtttg acgctgtcat ggcagaagca gtggctttct cttattacgg tggctgcctg 132840
gcctttgaag gcttatcttt ccaggtttaa actgagagca agctgaaggg ttatgactcg 132900
aagtgaggta ggattttgcc aggcacacta ggaggctggg tatgcaaggt ggttcattca 132960
gggagccttg gctgaccttg acgcctgcgt ccgtctctga tgctctgtac caggtcagct 133020
gtgtgtccct aacaaagaat ggcctcctaa ctgggtctg cacatctggg catcttagta 133080
aggggaacag atttgaggtt cttctttctt tcagcgaaag gtgagacttc gggttgaaga 133140
actggtaact gtgatttgca ggcttgtcca tggctcctca gagctggcac ttgggtgtct 133200
ccttgtccac ccccttccctc cctaggccca catggggcac cctgagcttg cctgagccct 133260
actgtgatct cacggagggc aggctatgaa ctagaaagtg atgccacacc ctggcaacta 133320
gagaagtgcc catccagggg catgtcccat aggtatctgc ctgtatggac cctagttacc 133380
cactgacaaa aagaggggca caaccctccc ctgtagaact gtagcgcaga gtgaggacat 133440
gacgacagtg aggcctgggg ccacccgctc caccctcagg ggcttgtaag aatcccaagg 133500
aaagtcatgc ctcctgcagg tgtgtcgagg cacagggcag agccctccca cttcccgccc 133560
ctgcacagca gtgtcattcc tcctatgact acagtgcttt gaggacagga agaactttcg 133620

gttcttggga agcccggggc agaagggggcc tgagctgctc accgcgtcca tccctcagga 133680
caacctcgac atcgccggtg atccagcggt agcaggggaa ctcgatgtag tccccgtggg 133740
gcgtcttcag cgtgatgtac ttcaggtacc agtcgtcatt cagccagtac ttgcgcttct 133800
cgattctgac cagctggatc tcgcccagtt cctcgtccac agtcacgtcg tatgaatcca 133860
cctgggaagg agaacaggca atcaggccat gcgtggtctc ctgagccttt gttctggagg 133920
tgttaagaat ttgtcacccc aaggtatgct gctgtggcac agggactacg ttgaatgaaa 133980
agcacttaaa aaaacagcag gtgcaagata ctctgacatt cgtgctgttt cttagaagca 134040
ggagatgaaa gtcccctatg aaagatgtcc tcactatacc aaaaggaaag taacactctt 134100
ttcatcaagg ttgggaagtt gaagccaaag gaaatccata caaacagatc ttgtacaatg 134160
aacgcttacc tcccgagtca cttccctgcc cagttacctg ccctagccca agcccttgg 134220
ccttatcaca tctcacgatg attcattcaa tgcagtatct aagggggatt gactctaact 134280
gcttcttggg gtcttcatct tttttaagagg gctcccatgc cacgtacaac ttgtattaaa 134340
gaaatctgta ggctttcgcc catgaatctg tcttatgccg attctcagac ctagctgaaa 134400
tgggaagagg tggagttttg cctccactac agttcatgga gccaagattc ttcatgaaca 134460
ccttaaatga actcctgaat tcatttaccc aagacattca ctgaaggcct gcccctgaca 134520
aggctcagtg ctacgaccca ggcaggtgaa agaaatggac aaatcctggg ccctgccctt 134580
gaggagagag aatccagtga gccaggatgg tgctgtgctg ctcagagggc aacgcctgct 134640
gactgcactt agctcaggct ggaggatggg gagatgccca ggctcatgcc tgcacctgcg 134700
aggctgtgcc cagtgagggt ccgcagctgc ccccacatgg gatagccttg tgggagacct 134760
ttacaactgg agatgggctt gctgacagtg gatccccaca atgactctgg gagtgcaggg 134820
gagttaccac cccttccaca gatgaagaca gcgaggctca gtgactccca cctctgccac 134880
ttgccagcag agctggagtc acaccccagg tctttccatc atagccactt cctctctttc 134940
cagttttcag tggggataat aagtgagtga aaatggtgag gcttagatac agggagcttg 135000
```

```
catggattcg agtcgtcctg ggacatttgc agttcacagc tgcatggtga tgcccagaga 135060
acagtgagac caagcagctc tgctgcacct gtggcattac tggtggcagg gtgaggctag 135120
ccttgcagct agaaggcacc accccaggct gtgtacagcg cagctgccca ggcctctggg 135180
acaaggctgc ttggccccct ccctgccagg ctcctgcttc caggacacag gcggctctga 135240
ggcaacagcc atagcttctg gagggctttt gtctctgcag caatggatgg cagacaggaa 135300
gttgggatga gaggctcagg cattgcatca cgcattctga tgaccagcag gtttggaaag 135360
ccccggactc gatgccctcc aaggcatgtt cttttttatt ttgaggtgga gtctcactgt 135420
gttgctcagg ctggagtgca gtggctcgat ctcggctcac tgcaacctcc acttccaggg 135480
ttcaagtgat tctcctgcct cagtctccca agtagctggg actacaggca cctgccacca 135540
catctggtta agttttgtat tttcagtaga gacagggttt caccatgttg gccaggctgg 135600
tctcaaactc ctgacctcaa gtgatccacc tgcctcggtc tcccaaagtg ctgggattac 135660
aggcatgagc cactgtgcct ggcccctgca aggcactttc taagccagat tcatcaaccc 135720
ttgaacttta tccctggcgg cagaacctag agttctcagc atgatggcaa agtggaaggg 135780
gcgaggggta tcatcctttg tgcgagcgca ggcatcccca ttccatgccc tgcctccaag 135840
ctgccaggag gacccctgga gggcttccta agaggaatgg gaacttgagt gtttttccaca 135900
aacctcctgg ctctgaatac cgtgagcagt ttggggtggc tgacgctgag gccagacgct 135960
tgtggtcaga aagcggaagc ttcctccctg tgctctgtag tctaggccag aggccctagg 136020
aacagtttct gatgacagag gagccaggcc catgtggtgg gatgacatgt cttgggtcca 136080
gccacatgtg gaccagcctc ggccccacga caatgcccct cctgcaggga gagtatcagc 136140
ctcatctgcc acctctgaga aagccttcct gccacagctt gtcctcagga gagcagggcc 136200
acacacaagg cctcgcccat catggacagg gtgggcaggt tctgatggga caggagtctc 136260
agcatctcag gggctcgggc ccatctggag gagcagagtg ggggctgagt ggcccaggac 136320
tggatacgcg tcgggcctgc cccacgccag gccctgcatg ccacagggat ttacagaggc 136380
cttagctgca ggttgtgagc caagacagag attcctgatc ccaccgagga gtggggagag 136440
ggcagtgagg ggtagaaggc tcggtgggcc ctggggtctg gagctctgaa ttcacatccc 136500
agcttcaggc aagtagctgg atggcctggg cacattgctt cattctctga agctgtttct. 136560
tcatctaccc aaaggagata cccctcactt gcaggaccat tgagaaaatg aaatgacacc 136620
atcctgggtg gcctcctttc tccagaggca caggccaccg gttgtgtgca tcagaaccac 136680
cagtgcccct tcctgaatcc aggggggttgc agggcaccag gccccacacc gcctgtgagc 136740
tagcatgggc ccctgcgtca cggccacttc gtgactacat gtgccaatcc gagtaactgg 136800
agcacacatg ggaggaggaa actgaacctg tgacctcaaa ctccttcact caaagcccag 136860
aaggaactcc tgaaaggctg gagacagggc tgtgaggaca gagggagagt gggaggcatt 136920
ctgaatgctg gtggggcagg cagagcaagt ctgtgtgcgg tgaggactga ggggcggcca 136980
ccagaggccc gggcctggtc tgagtgtggc tgctgcaggg gaagtagctt tcctatggct 137040
ctgaggggct ggagagggag gaaggtgtcc ccagggata gatgacagga aagctggggt 137100
ggggtgggag gagctaacag ggacactctc atgggaggga ggctcccagt accttggact 137160
aagagggggag ggagatgggc tgaggaggca ttccaggact gggcaggtcc cacagggagg 137220
gcccgatgtc tacctggggg tgacgaccca cacgaagaga ctgagcagct tctctgaggg 137280
agtggacagt ggggtgaccc tccagcacac ctgtggtgca gtcacagggg actgggacac 137340
tcctggcccc ctgccctacc tacacctgca ggcacctggt ggagagcccc tgagtttcac 137400
ttggggtgaa atcactaggc agatttacaa ggactccatc tgccatctga cagggacttc 137460
cacagcagga gggggccagg cctgcagtct ggctggtcta tggccagccc agccactttc 137520
ctggtgctgg cttcaagcct gaatatgata agaggtgaac aagggggcaga gggctccagc 137580
cttgacccaa ctcagggagt aaaagacaaa gcttgatggc tgtggttcta acatcccagg 137640
ggccactaat ggaagaatga cagataaagg cctccttcca ggaaaatacc agggtcacat 137700
gtgtcaaact gcaaaatatc ttcggaaggt ttgtggaact acaatggcca ccttcctccc 137760
tcctctctgg gccaagtaca ctgggctgat gctatatttg tctatttgct gtgacacatt 137820
aaattctcag gtgacacact gaattatggt gggcactatc aacagtggac accccccaac 137880
aggccctcag gaagcactgg gcctgggaat ggccgagcga gtgattatcc tgctttacag 137940
atagaaactg aggctcagag agcaatggtg gcctcaagat cagaacctac acctgtgtga 138000
tggccaagcc caggttcctc ccacagttcc ccaaggccac atcttgagaa aagccctgaa 138060
ccggaagcta gaaggcccag ctttgagccc tggtttgtac cctggatgga gtgtaaaggg 138120
gcaatgtgga gtggcatgga aggacaggga aaagcttcat aagagggtat ttcaggcagc 138180
ttttaggggc tgatcagatt tcagagggca gatgagtagg aggatgggca tgggtagcac 138240
atttcagatg tggggaactg ggagggcagg gtccccgggg gattcacacg tgggaggagg 138300
aaggctggac acagtttctg gggacagaag tgggtggcgt ggtggtgcag atgctggaga 138360
gaaacaaggg aaacctgcaa ctcaccggcc tcatttcaca agggggccact ttgctgattt 138420
```

```
tgcttgttgc ttttaacttt ttattggata tgtagtttta aagcttttga atatttcggc 138480
aaagagtcag ttggtcagtt ttcatgtgag ctttctatca gcattttagg aaagtttttca 138540
tctgtctttc atcagatctc tgctgttgct gggacaggga gacggatctc tctgcggaag 138600
caaggatgtg tgccccaccc ccagactacc catcttggag ggggactaat gaggggctgt 138660
gggaggagga agctgtagag cagagaggaa gattgggggc cagacaaaac agagactcgg 138720
gatgagagag ggggaggcta tggggaagag ctgaggaaaa caagggacgg agagagggat 138780
tggggtagtg gataggggaga ccaaggggca gagaaggggg aaaatgtggg acagagagcc 138840
ggagattgag ggagcagaga aggggcctct gagaggtggc tggaagacag agtgtagagg 138900
aaaattcaga gcaaaaaaga agggagagtt gtagggtaga gagcagaaac gggggggcatt 138960
tagggaactg ggagcagggg aaggaagagg aggcagaaga gggggcagaa tgtagggaaa 139020
agatggctca gagggggaga ctgggagatg agagacggat tgagggtcat accaaagaaa 139080
tatttatgct ccactaatat attcccattc acaagaagga ggtattctag aattaatttt 139140
tcatgaatgt aagaatactc actgacttaa gaagcatgaa tcattataac acttttctac 139200
acttgttgaa catattcaag tatcatatat taaacaccac gctattgccc ttagctttct 139260
taaaagtacc agcacagaat gaaatgggcc aactaagatt tctcagaaat cttcagatct 139320
gttacagtta tcgtatccga tctgaattac tttaaattta cagagttaaa gaaataaatc 139380
aacttgttaa atttgcctag acttgggtta gcctctggaa acagggccat tctgtgtagg 139440
atcccggctt tctccagcag acagtgagga gccaaggaag acacaaccgt ttataggata 139500
atcccacctg cgaaggactt gattcccagt cctgactgaa tcactatgcg gaactctgat 139560
gagaataaca agggacctgt gactcacttt atcaaggaaa aaatcagtcc tgtccattat 139620
ttgactgaac tatgccctgg aggaggggggg tgttgacctg ccaataactt ggaaatgatt 139680
aaattgtgtg gaaatacctt tattgttatt gttatcgtta ctactgttaa caatacagat 139740
tttaacactt ttccctgtaa aatgggataa ccttgtcttc tcagcaagta cttcctctag 139800
ggtttctctt ttacctttac ccaaaaagga tgattgtctt tacagatacc aagctgggag 139860
aatgaggaag tagttctggg ctgggcaaga gaaagtgttg agtaactttg catcaacagg 139920
aactttctca aaagctgatt ttttcaagga aactttcagc cttagctggt tccccaccct 139980
gcggtagccc ccaccccaaa ccaccccccg ccccacccct gacttatagc cctctcaacc 140040
caatggaaat gtgacatgca aatctctcct gaaatttgcc cctgggattc cggctgaggt 140100
gtttaattat aatgtcattt gaatgacttc tcagggtagg ggaagacaga ccgagagagg 140160
gagatagtgg acaaaacagt gccttcactc tttgtccgaa gagcccgcta tggccacgtt 140220
atcatgtccc ctgcaggagg aaagcacaca cggggtgccc gtgctgtgca gtgtgagcac 140280
accaatggcc tgtgcttcta gaaccttatg atgtgtggag gagaatgggg aggaggaagc 140340
acttacaaag gggaagtagc ctgtaccctg tccttctccc ccaggtgtgg ggaatccatg 140400
aaataatgga agtaaatgaa ggtgcgtcag aaatggcaga gggtgccatc accctaaatg 140460
gacgacacat taactccagg gcaccgcagt cctcagggtc agttccccga ctggggcaac 140520
taagcaactg aaggttgctc ttgtactcaa cacctaactc ttcttgaagg gagctcaagc 140580
caggatgcta gtgaacttgg ctgagggcca tgtcgtgcta cagcgagggt atgggctcct 140640
ggataggaat cgagcccatg gagagcttgg aatccagaaa aagagtagtt tttacttact 140700
ttaggctctg cacacctaaa acacaaattt tatccaagag taatcagttg aaacatgaac 140760
ttgccggttg tatttgtcca ttatgagcaa tttcacaagg tttgatcaaa taataaacta 140820
aatggtgaga aggcagcttg gtaaagtcta aatctttttg gtccagttag gagctggggt 140880
ggggtggaag ggaactgata ttccctgcgc acctgcagta tgtctgggac tattaccagt 140940
catttacgga gcgcttcctc tgtgccaggt actggattag gcacttcatt aaaggctcag 141000
tgagaactgc gacctgccca tgctcatgga aaagagtcgt ggggctggaa ttcaggtcca 141060
gatcagcatt aggaactagc ttccaaatgc tgagggctcc ctcgcgtcct cacacctagc 141120
gtggaagtgt tccctggtgt acattctgct gggagggagt gcagcccctc catttaggaa 141180
aagcctctcc tggcctgggt tctgttcctt ccctttaatt tcctctgggg actgtcctga 141240
gaatgtaagc tgcccaggtg ccgtctgagc caccagatgg gcctgggctc acccatgact 141300

catggaccag actgaagcca accctccatt ttcagctggg gaaactgagg cccagacaga 141360
cggtagagtg agctggtggt catgtctgga cagaactcag gcctctggac ccgctgacgt 141420
gcacccttcc ccacggctca cagctggctg ctccgaggtg ccctcagagt tctgtgagca 141480
tgactcatct gcctctccct ccctgtgcga cctgcagaag gagcctaagg aagaggtggc 141540
acaagaaacg cggcccagtg aaggggggctc cggagcctcg gagcccagat cttgaagtgg 141600
aggggaaacc ttgggccttc tcctcccagg gaagacgcct tgcaggcggc acgcgggaag 141660
tctccgtttc cgacaggggt cgcggccgcc gcgagggggtc ctggacgctt gcccaccagg 141720
gtacccaccg gccactggga gcccagggca cgccccaccg cagttctgcc ctccctgaca 141780
```

```
gggtcctgga  cacccccagt  cctgtccggg  ccgccccgac  gggccctcgg  cgcccccgcc  141840
caggcctctg  ccgtccaaac  cgggtcccgg  acgcacctca  gcccgcgctc  cacccgtgcc  141900
ccgcccgcgc  tcaccgcgcc  acgctcgaag  tcgttgtaga  agggcttgtc  cagcaggtgc  141960
ttctcgctgc  agcccgccga  gcccacgagg  ctgaggtaga  tgtagtcgtc  agtgtcttca  142020
ccacggggtg  aagtacggtc  cnnnnnnnnn  nnnnnnnnnn  nnnnnnnnnn  nnnnnnnnnn  142080
nnnnnnnnnn  nnnnnnnnnn  nnnnnnnnnn  nnnnnnnnnn  nnnnnnnnnn  nnnnnnnnnn  142140
nttttтgggt  tgttgttgtc  tctttgtttt  tgcgagcggt  ccttccgccc  cgtggtgaag  142200
acaagtgggc  gcctctgcct  ggccatccca  tctgggaggt  gaggagtgcc  tctgcccggc  142260
caccccgtct  gggaagtgag  gagcgtgtct  acccagccac  cacgtctggg  aggtgaggag  142320
cgcttctgcc  tggccgcccc  atctgggaag  tgaggagcgc  ctctatctgg  ccacccttc  142380
tgggaagtga  ggagtgcctc  tgcccggccg  ccaccccgcc  tcggaggcga  ggagcacctc  142440
tgcccggcca  ccaccccatc  tgagaggcaa  ggaccacctc  tgcctggccg  ccatcctgtc  142500
tgggaggcga  ggagcacctc  tgcccagccg  ccgccccacc  taggaggtga  ggagcgcctc  142560
tggccagccg  ccccacctgg  gaggcgagga  gcgcctctgc  ctggccgccc  catctgggag  142620
gtgaggagcg  cctctgccca  gccaccaccc  catctgggaa  gtgaggagcg  tctctgccag  142680
gccgccccgt  ctgggaagtg  tacccaacag  ctccgaagag  acagcgacca  ttgagaacgg  142740
gccatgatga  cgatggcggt  tttgtcaaaa  agaaaagggg  gaaatgtggg  gaaaagaaag  142800
agagatcaga  ttgttactgt  gtctgtgtag  aaagaaggtg  acataggaga  caccattttg  142860
ttctgtacta  agaaaaattc  ttctgccttg  ggatgctgtt  aatgtacaac  cttaccccca  142920
accccgtgct  cgctgaaaca  tgtgctgtgt  caactcaggg  ttaaatggat  taagggtggt  142980
gcaagatgtg  ctttgttaaa  cagatgcttg  aaggcagcac  gctcattaag  agtcatcacc  143040
actccctaat  ctcaagtacc  cagggacaca  aacactgctg  aaggctgcag  ggacctctgc  143100
ctaggaaaac  cagagacctt  tgttcacctg  tttatctgct  gaccttctct  ccactattat  143160
actatgactc  tgccacatcc  ccctctctga  gaaacaccca  agaatgatca  ataaatacta  143220
aaaaaacaaa  ttaattaatt  aaataaattt  catatggaac  caaaaaagag  cctgcattgc  143280
caagtcaatc  ttaagccaaa  ggaacaaagc  tggaggcatc  acactacctg  acttcaaact  143340
atactacaag  gctacagtaa  ccaaaacagc  acggtactgg  taccaaaaca  gaggtataga  143400
ccaatggaac  agaacagagc  cttcagtaat  aatgccacat  atgtacaact  atctgatctt  143460
tgacaaacct  gacaaaaaca  agaaatgggg  aaaggattcc  ctatttcata  aatggtgttg  143520
ggaaaactgg  ctagccaata  aatggtgtag  ggaaaactgg  ctagccatat  gtagaaagct  143580
gaaactggat  cccttcctta  catcttatac  aaaaattaat  tcaagatgga  ttaaagactt  143640
acatgttaga  cctaaaacca  taaaaaccct  agaagaaaac  ctaggcaata  ccattcagga  143700
cataggcatg  ggcaaggact  tcatgcctaa  aacaccaaaa  gcaatggcaa  tgaaagccaa  143760
aattgacaaa  tgggatctaa  ttaaactaaa  gagcttctgc  acagcaaaag  aaactaccat  143820
cagagtgaac  aggcaaccca  cagaatggga  gaaaatttt  gcaatctact  catctgacaa  143880
agggctaata  tccagactct  acaatgaact  caaacaaatt  tacaagaaaa  aaacaaacaa  143940
ccccatcaaa  atgtgggcca  aggaaaagaa  cagacacttc  tcaaaagaag  gcatttatgc  144000
agccaaaaga  cacatgaaaa  aatgctcatc  atcactggcc  atcagagaaa  tgcaaatcaa  144060
aaccacaatg  agataccatc  tcacaccagt  tagaatggtg  atcgttaaaa  agtcaggaaa  144120
caacaggtgc  tggagaggat  atggagaaat  aggaatactt  ttacactgtt  ggtgggactg  144180
taaactagtt  caaccattgt  ggaagtcagt  gtggcgattc  ctcagggatc  tagaactaga  144240
aataccattt  gacccagcaa  tcccattact  gggtatatac  ccaaagtatt  ataaatcatg  144300
ctgctataaa  gacacatgca  cacatatgtt  tattgtggca  ctattcacaa  gagcaaagac  144360
ttggaaccaa  cccaaatgtc  caacaatgat  agactggatt  aagaaaatgt  ggcacttata  144420
caccatggaa  taccaagcag  ccataaaaaa  tgatgagttc  atgtcctttg  tagggacatg  144480
gatgaagcta  gaaaccatca  ttctcagcaa  actattgcaa  ggacaaaaaa  ccaaacactg  144540
catgttctca  ctcataggtg  ggaattgaac  aatgagaaca  catggacaca  ggaaggggaa  144600
catcacacac  tggagcctgc  tgtggggtgg  ggggttgggg  gagggatagc  attaggagat  144660
atacctaatg  ctaaatgacg  agttaatggg  tgcagcacac  caacatggca  catgtataca  144720
tatgtaacta  acctgcatgt  tgtgcacatg  taccctaaaa  cctaaagtat  aataataaaa  144780
aaataagctt  ataaaatgct  tttaatgcta  tataacttta  taactctgaa  agaataatag  144840
atttgtatta  tgctgtcagt  gagtaggtct  attaagtgat  aacattaaac  acaaatacca  144900
ccatttataa  agtatgattt  tgatatcatc  ggttgtgtat  tttcacccca  aactctgtag  144960
atagtaactt  tgttttctca  tttgaccatg  ctcaatcttt  agagaccatg  ctcttctctc  145020
aaaatgactg  taggttcatc  caagtatgtt  tgctacccaa  aatcaatgaa  acacagtcac  145080
aactatgtct  gtctaggaat  aaagccagct  aattagattc  ttattctaag  gaacaagaag  145140
agggcaggta  agaatttgat  tatggcagaa  ttctgaccat  aatcaataac  tgttttctat  145200
```

```
tttttctcca tgttgtcggg tggttcatac ctgactttca tcatttccaa tgattcctgt 145260
ttgttttgtt tataaatttc aaaatcatca tgaaaagttt cactgaatga aaacctgaaa 145320
attgggaaat aaacattttt ctgcaaaaaa aaaaaaacaa tgaacactga cttctcctat 145380
ttctcaaagt catctcaaag ccatatgagg attaccacaa acttgcaggt gagaaaattc 145440
tttgcaatgt aagaagtgcc atgcaaatta gttgatgcta ttataattag tctcagggat 145500
caaaaatgct tgaaccctaa atctaacact tcaaaggaaa gcattatttt tcattcattt 145560
tacaagttac acctcccttc ttccccacat cttttgtttag aatctggacc ctgaagttag 145620
aggaccaaga ttcaaatccc agcctcatca gtactagcta tgtgatattg ggaatgttac 145680
ttgatccctg cttatcttac tttctgcatt tattaaatgg ggatgagaat aatatctacc 145740
caaataaggt gcccaatgca gtgcccaaca gcatgaagcc caataaaggt tagttaacat 145800
cacatccata attgacacct ttaggtatta gattttcatc atcccagaac attttccttc 145860
tttaagcctt tttctttcta agtggcactt tcttggatac tgattgcact cctcacaaac 145920
ttgaaacgtt caaacacaca agatgccatt taggagacat tggaacttgg gtttccttct 145980
ctgtaaaact gagtaatgac agtcacctcc cagggctgtt gtaagaatga atgagctaga 146040
gtatgtaaaa tatcttagca cagagtgctt aagaaattat tagttccagc caagcgtggt 146100
ggctcacgcc tgtaatccca gcacttaggg aggccaaggc aggcggctca tctggggtca 146160
ggagttcaag accacctggt caacatggtg aaaccccgtc tctactaaaa atacaaaaat 146220
tagccaggcg tggtggcatg tgcatgtaat cccagctact caggaggctg agacaggaga 146280
atcacttgaa cccaggaggt ggaggttgca gtgagccgag atcgtgccat tgcactccag 146340
cctgggcaac aagagtgaaa ctctgtctca aaaaaaaaaa aaaaaaaag aagaagaaga 146400
agaaagaagg aaagaaagag agagagagaa agaaagaaag aaagaaagaa agaaagaaag 146460
aaagaaagaa aaagaaagaa agaaaagaaa gaaagaagga aagagacaga aagaaagaag 146520
ggaagaaaga aagaaagaaa gaaagaaaga aagaaagaaa gaaagaaaga aagaaagaag 146580
ggaagaaaga aagaaagaaa gaaaaaaaga aagaaagaaa gaaaaagaaa gaaagagaga 146640
aagagaaaga aagaaagaaa gaaaggagag acagaacgaa ggaaagaagg aaggaattat 146700
ttcctttttt cccacccacg cctcaccaca aaccttgttg tggggataac atgtaaaagt 146760
gaacaaaact gagaagatca catcgcatat gcactcagcc tctagtggga gacacaggca 146820
ataaacagga aaagttaaaa acagtactag gtagtggtga gtgcaattag cctcccgcag 146880
cataaaggga ggagaataac cagtggctct ttcatgcaga gaatcagggt agacctctgg 146940
ggagagaccc gcactcagac tgggatggaa ttatttattt tatgcgtgtt cagttaggag 147000
tagaggtgct ctgtcgtgat tatctaatct tgggaggaac aatgtcagac gggtttcaag 147060
atgagtatga gaattggtct tccttctgaa aaaacaagaa ttgagttcac actaatcaca 147120
aatacatcaa gcctatttga gtcttgtgtg tgtcatggat tgaagtgtat cttttccactt 147180
agtcaagaag ttccaatgag aagaatgctc cttaacttcc taagtgcaac agagtagttg 147240
aactgagcca tggatggtaa atctacttaa gaaagcacat gccatggaaa gatagcattg 147300
gctgccctgc ctacttctga tggcacagcc ttgcaggaag ggaaagaagc caagaggcaa 147360
aagcctggtc ttgttctgaa aggcacaagg aggtggaaga ttaggggaaa ctcacccaaa 147420
aatgactcag ctctgaactc agactcaaga agccacaata agcaacatga atggaactgg 147480
agggaaataa accaggcgta gaaacacaaa tgttgcatat tcttactcat gtgggaacta 147540
aaaacatgca tttcaaggag aatagaatga tggttatcag agactgggaa cagttgtggg 147600
tgggggtgtt aagagaggtt gcttaatggg tacaaacata tagttagata gaaggtataa 147660
gttctaatgt ttgacagcag agtaggagaa ctatagttaa cagtaatata ttgtatactc 147720
caaaatagct agacaggaag atttgaaatg ttcccaacac atagaaatga caaaagcttg 147780
aggtaatgga taccctaaat atcctgactt gatcattaca cagtctatgc gtgtaacgaa 147840
ataccatatg tacccataa atatgtacaa atattatgta tcaataaaaa tttttaaaaa 147900
gaagctgcaa tcaacatttc atcattatct tttcagcagc atccttacaa agttacagag 147960
acatcttaag atgtatccct cttcctctga atcttcctgg gatagaacaa atgaaaacta 148020
aacaaggagt gggctgggag gagctgtcaa catccatcct aaggaaaagt ctgttagggc 148080
tatgagcttc ctctgtccta gagtagagct gggaaaatag agtcttgaca attgatttct 148140
tattctttct ttctctaaat ccccaatgaa tatgttttc tttttagtgc tcagtggtag 148200
acagggctta attctgttta gttatgcaaa caggccagaa gaaactgaaa taggctataa 148260
atgtttgaag ctggccaaaa gaagatgtag tcacacaaga taccctctgg aggaaagtga 148320
ctgtcaggaa agtcactttc ctgaccagca aaaggaccag cactattttg tcctgctgaa 148380
gaagtacatt tgtcctgctg ctgtcatggg gacagtggct ccagggcttc ctgtggacat 148440
gccacaagtt ccactccatg agtcaggaga tcatgcggtc agctgggggg aacttagggt 148500
tgctctcttg agcttagcct tatgctgcgt gtctgctttg ccaaccacaa aaacgatagt 148560
ttcatagcaa gttgcaggct ccctggaaac ttaacctacc tactaggata catttacagc 148620
```

```
tgcttttctc ctggcatcag gctggagatc aagaaataca taaaacatag tccctgccct 148680
cagttagctc agaatatggt gggggaatgg agacagaagc aaatactggt gggacaagtg 148740
acgatgggcc aaaatatggg cttaaacaaa ggttgtggga gctcagaaaa ggagcaactc 148800
actctgcctg aaagagtcat ggagggctcc acggaaaaag caacatttgt gcaggaggag 148860
attagaacac agaggagaag gatagcagca ctccagatga agggaaggaa atgtgccaag 148920
atttcatggg aatgagaaga tgtaaactgc tcaggaaaaa ccatggttga agctcttcac 148980

agtggctgaa gcatggtgtg attgtcagtt ttgcttgtca acttggtcag gctgtagtac 149040
tcaactattc aaccaagcac tgatctaggt attgctgtga aggtattttg tagtcgcaat 149100
taacctctac aatcagttga ctctatttaa aggacattat tctgtactat ctgagtggac 149160
ctgatccact tcatcccaaa ggtaaatgat tctccaacag tgttctcatc tacatctagg 149220
gcttggaaga tgaaggtgaa ggagaatatg gaaaaacaac aagaaaaag tcaatcaatc 149280
agaacttcca gccctgtgtt tgttagttca ctttatgttc aaccagtatg tctccacttt 149340
tatctgcttc cttgtaagat ttcatctgaa aaagggaatt cactcttcag gtgttggaaa 149400
tcaattatga gagaagcact tacagaatga ctatctgaag agctctgcag acattctcca 149460
gagtaaaaca accataaccg gtgaaaatta aaaacaaaca aaataaaaaa atgttagagt 149520
attggaaatt gttctaaggg ccgacagcaa atgaagaaat ccaagaaagc ctaccaattt 149580
cagtgagagg agtgagagtc tatggtgttg agtctatggt gtttaagttc tgttcatttc 149640
ctccctctcc tgcaatcagt tcagtgaaac agaaaccctg ctccagagat gtgcagccaa 149700
aaagacaggg tgcccttttcc cctcagctcc caatctaggg cagactacca gcatttccca 149760
agcccatctc tggctctatg ttgcagaagt tctattccaa gaaagtttga ctgagaatct 149820
gaagcttcct tcttccactc agcctctact attaaggcgt aagttctatc cccagtgcca 149880
cgggccaaga atactgatgc tgaatgtcct tgctccgcta cactcatagg gcagagattc 149940
catgggagga gtgaagtttc cattccagaa aaggcagaaa aacagaaatt actgcccaat 150000
ccagtacccc acccataaag aaggaaagac atctgagaaa agcatgacac tgtccccaaa 150060
accacctgca gagtagtggc agtagaggca gtagggagac tagaggacct gcctagaggg 150120
agaagtaggc cataagaaga aaagtctcta gttctcccta aagggacaaa ctttatttgc 150180
aacagaacat gcggaagttc aagcctaagg gcactgtcaa aaacaatgaa tattttggtg 150240
gtaagcaatt aataggttaa tggcagctta gtgagagcaa caaactaaac cataaaccag 150300
ctagacatat acaataaaaa tccaagaaag agagagccaa gaagggcctt cctgaggtta 150360
aaacaaacat caaagtcttg tctgaaaaac tgctcctgca aaggaagcaa aatatatttg 150420
gatcagactg tggagcaatt tatgccccta aaaagctgtc aaaaccaaaa gagcaattat 150480
ctagcaattg ctggaggtta acagttgggt atgataccaa aagaggcaaa caactgaaca 150540
gatcagagaa agaggcagtc aaagagagca ctgctaaatg cactgtaatt ccaatttgag 150600
agaaaatgtg cccagtgctg tgactccctc aggaacaaca tcagaggcca caaattatgg 150660
tggaaatagg cttcactata tagtctagcc aggcaattaa acaaataaac aattaaacaa 150720
cagtaacata gtgaggggg cagaaatgag tattgcaact agctagaaca tatttttgaa 150780
caaaaaaatt atgagtcaag cagagatatg gaaaagacag agccatacac cagaaaaaag 150840
gtaagcaaga gaaactgcct ttgtgagtgc caagatgtca gacatagcag aaaaaaaacc 150900
tcaaagtaat tattataaat atgttcaaaa actaaaagaa aatgtgctta aaaaataaaa 150960
gatggtatga taatttcttg tcaattcaaa aataccaata atagattaaa aatatttttt 151020
caaaagttaa ttaaccaaat ggaaattctg gggtttaaaa gtaaaataac aacaataaga 151080
acattttgct agaggaaatg aacaatagat ttgtaccaga aggaaaaata atcaaataaa 151140
cagggatttc atcaacacca aacctgtctt acaagaaata ctaaagggag ttcaatctga 151200
aagaaagaac attaacaagc aacaggaaat catctgaagg tacaaaactc actgtacctt 151260
cagatgataa taagtcctca aaaaacacag aatattataa cactgtaatt atggtgtgta 151320
agctacttat atcataagta gaaagaggaa aagatgaact gattaaaaaa caattacaac 151380
agcttttcaa gacagtataa taagatatat aaataacaga aagcttaaaa gcatataaat 151440
aaagttaaaa tgtagaggtt tttttagttt tcttttttgct tgattgtgta tttatttatg 151500
caatcagtgt tgttttcatc agcataaaat aatgggttat aagatagtat ttgcaagcct 151560
catagtaacc tcaaatttaa aaacatacaa tgtatacaca aaaagtgaag agcaagaat 151620
taaaacatac caccaaaaaa aatactttca ctaaaaagga gacaggaagt aagaaagat 151680
gggagagaag atcacaaaac aaccagaaaa taaataacaa aatggcaagc aagtccttat 151740
ttgtcaataa taatattgaa tgtaaatgga ctatactctc cagtaaaaag atacagagtg 151800
gttgaatgga ttaaaaaaaa ggacccaatg atctgttacc tacaagaaat aaacttcact 151860
tataacaata cacagactaa aaataaagtc atgggaaatg atacttcacg acaatggaaa 151920
ccaaaaaaga acaggagtag ctataccttt atcagactaa atagatttca agacaaaaat 151980
```

```
tgttaagaaa aaccaaataa ggtcattata taatgataaa gagatcagtt aagcaagagg 152040
atgtaacaat tgtaaatata tatgcactca acattggagc acctagataa ataaaacaaa 152100
tattattaga gctaaagaaa gatagacccc ctcccccaaa acaataatag ctgtagattt 152160
caatgctcca cttttcagcat tggacagatc ttccagacag aaaatcagca aggaaacatc 152220
agatgtaatc tgaactatag accaaatggg cctaataagt atttacagaa tatttcatcc 152280
aaaggttaca gaagacacat ttttctcctt agcacataca tcattctcaa gaacaggcca 152340
tatattaggt catgaatcaa gtctcaaaac attcaaaaaa actgaaataa tctcaagcat 152400
cttctttgac cacaatggaa taaaactaga aaccaataac aaggggaatt ttggaaacta 152460
tacaaaaaca tggaaattaa acaatatgtt cctaaatgat aagtgggtca atgaagaaat 152520
tatgaattga attgaaaatt ttctaaaaac aaatgacaat ggaaacataa tgcaccagaa 152580
cctatgggat acaacaaaag cagtaccaag agtgatattt ccagataagg gcctacatca 152640
aaaaggaaga aaaacttcaa gtgaataacc tgatgatgca tcttaaagaa ttaaaaaggc 152700
aagagtaaac caaacccaaa attagtagaa gaaaagaact aataaagatc acagtagaaa 152760
taaataaaat tggacttctg ctccaagatg gcctaataga aacagctcca gtctgcagct 152820
cccagcatga ttggcacaga agatgggtga tttctgcatt tccaactgag gtaccaggtt 152880
catctcattg ggactggttg gacaatggat gcagcccatg gagggtgagg tgaagcaggg 152940
tgaggagtca cctcaccccg gaagcacaag tgattggggg atttcccttt cctagccaag 153000
ggaagccgtg acagactgta cctggaaaat cggttcactc ccacccaaat actgtgcttt 153060
tcccatagtc ttagcaaccg gcagaccagg agattctctc ccaagcctag ctcatcaggt 153120
cccatgccca cggagcctgg ctcactgcta gcacagcaat ctgagatcaa cctgcgaggc 153180
tgcagctggg tggggggagg ggtgtcagcc attgctgagg actgagtagg taaacaaagt 153240
ggccaggaag ctcaaactgg gcagagccca ccgcagctca gcaaggccta ctgcctctat 153300
agattccacc tctgtgggca gggcataact gaacaaaagg cagcagacaa cttctgcaga 153360
tttaaacgtc cctgcctgac agctctgaag agagcagtgg ttgccccagc atggcatctg 153420
agctctgaga acagacagac tgcctcctca agtgggtccc taaactccat gtagcctaac 153480
tgggagacat ctccccatag gggccgacag acacctcata caggtgggtg ccactctggg 153540
acaaagctct cagaggaagg atcaggaagc aatatttgct cttctgcaat atttgctgtt 153600
ctgcagcctc tgctggtgat acccaggcaa acagagtctg gaatggacct ccagcaaact 153660
ccagcagacc tgcagctgag ggacctgact gctagaagga aaactaacaa acaaaaagga 153720
atagcatcaa catcaacaaa aaggacattc acaccaaaac ctcatctgta gtcaccaata 153780
tcaaagacca aaggtagata aaaccacaaa gatgggggaga aaccagagca gaaaagctga 153840
aaattctaaa aactgagcac cgcttctcct ccagaggatt gcaactcctc accggcaacg 153900
gaatgaagct gggtggagaa tgactttgac aagttggcag aagtaggctt cagaaggtcg 153960
gtaataacaa actactccaa actaaaggag catgttctaa cccattgcaa ggaagctaaa 154020
aaaccttcaa aaaaggttag acaaatggct aactagaata aacagtgtag agaggaactt 154080
aaatgacctg atggagctga aaaccgtggc atgaggacat catgatgcat gcacaagctt 154140
aaatagctga ttaaatcaag tggaagaaag aatatcagtg actgaagatc aaattaacaa 154200
aataaagcaa gaagataaga ttagagaaaa aagagtaaaa agaaatgaaa agcacctcca 154260
agaaatatgg gactatgtga aaaaaccaaa tctacacttg attggtgtac ctgaaagtga 154320
tggggagaag gaaaccaagt tggaaaacac tcttcagaat actatccagg agaacttccc 154380
caaactagca aggcaggcca acattcaaat tcaagaaata cagagaacac cacaaagata 154440
ttcctcaaga gagcaaccc caagacacat aattgtcagc ttcaccaagg ttgaaatgaa 154500
ggaaaaaaat gttaagggca gccagagaga aacgttgggt taccaacaaa gggaagccca 154560
tcagactaaa agtagctctc tcagcagaca ccctgtaagc cagaagagag taggggtcaa 154620
tattcaacat tcttaaagaa aataattttc aacccagaat ttcatatcca gccaaactaa 154680
gcttcataag tgaaggagaa ataaaatcct ttacagacaa gcaaatgctg agagattttg 154740
tcaccatcag gcctgcctta caagagctcc tgaaggaaac actgaacatg gaaaggaaca 154800
actgttacca gccactgcaa aaacacgcca cattgtaaag accatcgatg acatgaagaa 154860
actgcaacaa ttaactggca aaataagcag ctcacagcat aatgacagga tcaagttcac 154920
acataacaat attaacctta aatgtaaatg ggctaaatgc ctcaattaaa gacacagact 154980
ggcaaattgc atagagtcaa gacccatcag tgtgcggtat tcaggagacc catctcacat 155040
gcaaagacac acatagggat ggaggaagat ccaccaagca aatggaaagc caaaaaaaaa 155100
aaaaaaaaaa aaaaagcag gggttgcaat cctagtctct gataaaacag agtttaaacc 155160
aacaaagatc caaagagaca aagaaagcca ttacataatg gtaaaggat caatacaaca 155220
agaagaacaa actatcctaa atatatatgc aaccaatatg ggagcaccca gattcataaa 155280
gcaagtctgt agagacgtac aaagagatgt agacttccac acaataataa tgggagactt 155340
taacactcca ctgtcaatat tagacagatc aatgacacag aagggtcaca aagatatcca 155400
```

```
ggacttgaat tcagctattc accaagtgga cctaatagac atctacagaa ctctacaccc 155460
caaatcaaca gaatgtacat acttctcagc accacatcat acttattcta aaattgacca 155520
cataattgga agtaaaacac tcctcagcaa atgtaaaaga acagaaatca caacaaactg 155580
tgtctcagac tacagtgcaa acaaattaga actctggatt aataaactca ctcaaaatca 155640
cacaactaca tggaaactga ataacctgct cctgaatgac tactgggtac ataatgaaat 155700
gaaggcagaa ataaagatgt tctttgcaac caataagaac aaagacacaa cataccagat 155760
tctccgggac acatttaaag cagtgtgtac agggaaaatt atagcactaa atgcccacaa 155820
gagaaagcag gaaagaacta aaatcaacaa cctaacatcg caattaaaag aactagagaa 155880
gcaagagcaa acacattcaa aagctagcag aaggcaagaa ataactaaga tcagaacaga 155940
actgaaggag atagagacac aaaaagcact tcaaaaaaat caatgaatcc aggagctggt 156000
ttttaaaaag atcaacaaaa ttaatagacc gctagcaaga ataataaaga aaagagagaa 156060
gaatcaaatt agactcaata aaaaaagata aaggggatat caccactgat cccatagaaa 156120
tacaaactac catcagagaa tactataaac acctctacat aaataaacta gaaaatctag 156180
aagaaggggg aggagccaag atggccaaat aggaacagct ccagtctaca gctcccagcg 156240
tgagtgacac agaagacggg tgatttctgc atttccatct gaggtaccgg gttcatctca 156300
ctagggagtg ccagacagtg ggcacaggtc agtgggtgcg cgcactgtgt gcgagccaat 156360
gcagggtgag gcgttgcctc actcgggatg tgcaaggggt cagagagttc cctttcctag 156420
tcaaagaaag gggtgacaga tggcacctgg aaattcgggt cactcccacc tgaatactgc 156480
acttttccaa cgggcttaaa aaacggcgca cctggagagt atatcccgca cctggcttgg 156540
agggtcctat gcccacggag tcttgctgat tgctagcaca gcagtctgag atcaaactgc 156600
aaggcagcgg cgaggctggg ggaggggcgc ctgccattgc ccaggcttgc ttaggtaaac 156660

aaagcagctg ggaacctcaa actgggtgga tcccaccaca gctcaaggag gcctgcctgc 156720
ctctgtaggc tccacctctg ggggcagggc acaggcaaac aaaaagacag cagtaaccac 156780
tgcagactta aatgtccctg tctgacagct ttgaagagag cagtggttct cccagcacgc 156840
agctggagat ctgagaacgg gcagactgcc tcctcaagtg ggtccctgac ccctgacccc 156900
cgagcagcct aactgggagg catccccgag cagaggcaga ctgacacctc acacagccgg 156960
gtactccaac agacctgcag ctgagggtcc tgtctgttag aaggaaaact aacaaacaga 157020
aggacatcca caccaaaaac ccatctgtac atcaccatca tcaaagacca aaagtagata 157080
aaaccacaaa gatggggaaa aaacagagca gaaaaactag aaactctaaa aggcaaagcg 157140
cctctcctcc tccaaaggaa tgcagttcct caccaggaat ggaacaaagc tggacggaga 157200
atgactttga cgagctgaga gaagaaggct tcagatgatc aaattactcc gaactacggg 157260
aggacattca aaccaaaggc aaagaagttg aaaacgttca aaaaatttag aagaatgtat 157320
aactagaata accaatacag agaagtgctt aaaggagctg atggagctga aaaccaaggc 157380
tcgagaacta cgtgaagact caggagccga tgcgatcaac tggaagaaag ggtatcagcg 157440
atggaagatg aaatgaatga aatgaagtga gaaggaaagt ttagagaaaa aagaataaaa 157500
agaaatgaac aaagcctcca agaaatatgg gactatgtga aaagaccaaa tctacatctg 157560
attggcgtac ctgaaagtga cggggagaat ggaaccaagt tggaaaacac tctgcaggat 157620
attatccagg agaacttccc caatctagca aggcaggcca acattcagat tcaggaaata 157680
cagagaacgc cacaaagata ctcctcgaga agagcaacac caagacacat aattgtcaga 157740
ttcaccaaag ttgaaatgaa gggaacaatg ttaagggcag ccagagagaa aggtcgggtt 157800
accctcaaag ggaagcccat cagactaaca gcggatctct cggcagaaac tctacaagcc 157860
agaagagagt ggtggccaat attcaacatt cttaaggaaa agaattttca aaccagaatt 157920
tcatatacag ccaaactaag cttcataagt gaaggagaaa taaaatcctt tacagacaag 157980
caaatgctga gaattttgt caccaccagg cctgccctaa aagagctcct gaaggaagtg 158040
ctaaacatgg aaaggaacaa ccggtaccag ccgctgcaaa atcatgccaa aatgtaaaga 158100
ccatcgaggc taggaagaaa ctgcatcaac taacgagcaa aacaacctgc taacatcata 158160
atgacaggat caaattcaca cataacaata ttaactttac atgtaaatgg actaaatgct 158220
gcaattaaaa gacacagact ggcaaattgc ataaagattc aagacccatc agtgtgctgt 158280
attcaggaaa cccatctcac gggcagagac acacataggc tcaaaataaa gggatggagg 158340
aagacctacc aagcaaatgg aaaacaaaaa aaggcaggg gttgcaatcc tagtctctga 158400
taaaacagac tttaaaccaa cacagatcaa aagagacaaa gaaggccatt acttaatggt 158460
aaagggatca attcaacaag aagagctaac aatcctaaat atatatgcac ccaatacagg 158520
agcacccaga ttcataaagc aagtcctgag tgacctacaa agagacttag actaccacac 158580
attaataatg ggaaacttta caccccact gtcaacatta gacagatcaa caagacagaa 158640
agtcaacaag gatacccagg aattgaactc agctctgcac caagcagacc taatagacat 158700
ctacagaact ctccacccca aatcaacaga atatacattt ttttcagcac cacaccatac 158760
```

```
ctatttcaaa attgaccaca tacttggaag taaagctctc ctcagcaaat gtaaaagaac 158820
agaaattata acaaactgtc tctctaacca cagtgcaatc aaactacaac tcaggatgaa 158880
gaaactcact caaaactgct caactacatg gaaactgaac aacctgctcc tgaatgacta 158940
ctgggtacac aacgaaatga aggcagaaat aaagatgttc tttgaaacca atgagaacaa 159000
agacacaaca taccagaaat tctgggatgc attcaaagca gtgtgtagag ggaaatttgt 159060
agcactaaat gcccacaaga gaaagcagga aagatccaaa attgacaccc taacatcaca 159120
attaaaagaa ctagaaaagc aagagcaaac acattcaaaa gctagcagaa ggcaagaaat 159180
aactaaaatc agagcagaac tgaaggaaac agagacaaaa aaaacccttc aaaaattaat 159240
gaatccagga gctggttttt tgaaaggatc aacaaaattg atagaccgct agcaagaata 159300
ataaagaaaa aaagagagaa gaatcaaata gatgcaataa aaaatgataa aggggatatc 159360
accaccgatc ccacagaaat aaaaactatc atcagagaat actacaaaca cctctatgca 159420
aataaactag aaaatctaga agaaatggat aaattcctcg acacatacac tctcccaaga 159480
ctaaaccagg aagaagttga atctctgaat agaccaataa caggagctga aattgtggca 159540
ataatcaata gcttaccaac caaaaagagt ccaggaccag atggattcac agccgaattt 159600
taccagaggt acaaggagga actggtacca ttccttctga aactattcca atcaatagaa 159660
aaagagggaa tcctccctaa ctcattttat gaggccagca tcatcctgat accaaagccg 159720
ggcagagaca aaaccaaaaa agaggatttt agaccaatat ccttgaggaa cattgatgcc 159780
aaaatcctca ataaaatact ggcaaaccaa atccagcagc acatcaaaaa gcttatccac 159840
catgatcaag taggcttcat ccctaggatg caaggcttgt tcaacatatg caaatcaata 159900
aatgtaatcc agcatataaa cagaaccaaa gacaaaaacc acatgattat ctcaatagat 159960
gcagaaaagg cctttgacaa aattcaacaa cacttcatgt taaaaactct caataaatta 160020
ggtattgctg ggacgtatct caaaataata agagctatct atgtcaaacc cacagccaat 160080
atcatactga atgggcaaaa actggaagca ttccctttga aaattggcac aagacaggga 160140
tgccctctct caccactcct attcaacata gtgctggaag atctgtccag ggcaatcagg 160200
caggagaagg aaataaaggg tattcaatta ggaaaagagg aagtcaaatt gtccctgttt 160260
gcagatgaca tgattttata tctagaaaac cccattgtct cagcccaaaa cctccttaag 160320
ctgataagca acttcagcaa agtctcagga tacaaaatca atgtacaaaa atcacaagca 160380
ttcttataca ccaacaacag acaaacagag agccaaatca tgagtgaact cccattcaca 160440
attgcttcaa agagaataaa atacctagga atccacctta caagggatgt gaagcacctc 160500
ttcaaggaga actacaaacc actgctcaac gaaataaaag aggatacaaa caaatggaag 160560
aacattccat gctcatgggt aggaagaatc aatattgtga aaatggccat actgcccaag 160620
gtaatttaca gattcaatgc catccccatc aagctaccaa ttactttctt cacataattg 160680
gaaaaaacta ctttaaagtt catatggaac caaaaaagag cccgcatcac caagtcaatc 160740
ctgagccaaa agaacaaggc tggaggcatc acactacctg acttcaagct atactacaag 160800
gctacagtaa ccaaaacagc ttggtactgt taccaaaaca gagatataga tcaatggaac 160860
agaacagagc cctcagaaat aatgctgcat atcgacaact gtctgatctt tgacaaacct 160920
gagaaaaaca agaaatgggg aaaggattcc ctatttaata aatggtgctg ggaaaactgg 160980
ctagccatat gtagaaagat gaaactggat cccttcctta caccttatac aaaaattaat 161040
tcaagatgga ttaaagactt aaatgtcaga cctaaaacca taaaaaccct agaagaaaac 161100
ctaggcatta ccattcagga cataggcatg ggcaaggact tcatgtctaa aacaccaaaa 161160
gcaatggcaa caaaagccaa aattgacaaa tgggatctaa ttaaactaaa gagcttctgc 161220
acagcaaaag aaactaccat cagagtgaat aggcaaccta cagaatggga gaaatttttt 161280
gcaatctact catctgacaa agggctaata ttcagaatct acaaagaact aaacaaatg 161340
ttcaagaaaa aaacaacccc atcaaaaagt gggcaaaata catgaaaaga cacttctcaa 161400
aagaagacat ttatgcagcc aacagacaca tgaaaaaatg ctcatcatca ctggccatca 161460
gagaaatgca aatcaaaacc acaatgagat accatctcac accagttaga atgacgatca 161520
ttaaagtcag gaaacaacag atgctggaga ggacatggag aaataggaat gcttttacac 161580
tgttggtggg ggtgtaaatt agttcaatca ttgttgaaga cagtgtggca attcctcaag 161640
gatctagaac tagaaatacc atttgaccca gcaatcccat tactgggtat ataccgaaaa 161700
gattacaaat ggtgcaacta taaagacaca tgcacgaa tgtttattgt ggcactattc 161760
acaatagcaa agacttctaa caaacccaga tgtccatcaa tgatagactg gattaagaaa 161820
atgtggcaca tatacaccat ggaatactat gcagccataa aaaaggatga gttcatgtcc 161880
ttttcaggga catggatgaa gctggaaacc atcattctca gcaaactatg acaaggacag 161940
aaaaccaaac accgcatgtt ctcactcata gatgggaact gaacaatgag aacacttgga 162000
cacagggcag ggaacatcac acaccagggc ctgttggggg gtggtggact gggggagaga 162060
tagcattagg agaaatacct aatgtaaatg atgagttgat ggatgcagca aaccaacagg 162120
gcacatctat acctatgtaa gaaacctgca ctttgtgcac aggtacccta gaacttgaag 162180
```

```
tataataaaa atgaaaaaaa gaaaatgtta ctagcaaatt gtagatgggt atacctaata 162240
taactctgca tgtgcactat gtgtctggat acacatggaa agtattcagg catacacacc 162300
aaaattgttaa aataaatccc cttccaacat taggagtggc tggggagcag atggctttca 162360
cttccgcaca ttccatggtg ccagggtaat accacatcac aatagtaaat agcaaaaata 162420
acaaccttaa gtttagattt tcttatctaa attttaattc tgtgaagaag tttccatttc 162480
cctttttcac acaggatagt agaatgcagt ttagaaagag tgagatcact tgttagactg 162540
tacaattttt aagcatcagc gaagtatacc attaaacttc tctatcaatc cattctctaa 162600
acttcccaac ccaaaaaaaa agaaacacat aaaattgaaa tgaagaaaac aatacaaaag 162660
atcaacaaaa atgaaaggtt ggcttttta agagataaac aaaattgaca aatgtttagc 162720
cagactaaga aaaagagaag gcccaaataa ataaaatcag agatgaaaaa gcagacatta 162780
taactgatac tgcggaaatt caaaggatca ttaatggcta ctatgagcaa ctgtatgcca 162840
aacattggaa aatattgaag aaatagataa attcgtagac acacgcaacc taacaagatt 162900
caaccatgaa gaaattcaaa atctgaacag accaaaaaca agtaacaaga tcaaagccat 162960
aattaaaatt ttcccagcaa agaaaagcct gagacccaat ggcttcactg ctgaattcta 163020
tcaaacattt aaagaactaa taccaatcct actcaaacta ttccaaaaag tagaagagga 163080
gggaatattt ccaaacttat tctatgaggc cattactgct cctatatcaa aaccaaggac 163140
acatcaaaaa aagaaaacta taggccaata tctcacatga atattgatga atcctcaaaa 163200
aatgctagca aactgaattc aacatcacat taaaaatcat tcattatgac caaatgggat 163260
ttatcccagg gatgcaaata tggttcaaca tatacacatc agtcagtgta acatatcata 163320
tcaacagaat gaagaagaaa aaccatatgg tcatgttaat tgatgctgaa aaagtatttg 163380
agagaattaa acatctcttc atgacaaaaa ccctcaaaaa cactggagac agaaggaaca 163440
tacctcaaca caataaacag acatatatga cagactcaca gctagaatca tactaaatgg 163500
ggagaaactg aaagtcattc ctctaagatc tggaacaaga caaggatgct cattttcacc 163560
agtgttagtg gaacatagta ctgaaagtcc tagctagaac agactagaga cagaaataag 163620
gggcatccaa actgggaaga gagaagtcaa attacctttg ttcgcagatg gtatgatctt 163680
ctgtttggaa aaacctagac tccataaaaa aatgattaga actgataaat tcagtaaagt 163740
ttcaggatac aaaattaaca tacaaaaatc agtagcattt ctatatgtca atagcaaaca 163800
atctgaaaat gaaatcaagg aagtaatccc atttcccatt tgcaatagct ataaataaaa 163860
ttaatataat ctcatctctt caataagtgg tgttgggaaa actgcatatc cacatacaaa 163920
agaataaaat tagaccctt taatatacaa aactggaccc aagttaatat acaaaaatta 163980
acttgaaatg aattaaagac ttaaatgtaa gatctgaaac caaaaactcc tagagagaaa 164040
cataggggaa aagctccttg acgttggcct tggcaataat tttttgggat attacaccaa 164100
aagcacagac ttttgaaaaa ataaacaagt aggactacat caaactaaaa agcttctgca 164160
tggcaaaaga aagtcaacaa catgaaaagg caacctacag aatggaggga aatatttgca 164220
aaccatatac ctgatgagaa gttaatatca aaatatagaa aatatataag gaactcacat 164280
atctcaatac caaaaaaata ataacctgtt ttataatggg caaaggacct gaatagacat 164340

tttttcaaag aagacacaca gatggccaac gagtgcagga aaaagcgttc aacatcacta 164400
atcatcaggg aaatgcaaat caaaaccaca atgagatatc actccacacc tgttaggaaa 164460
gctattatga aaaacacaag agacaatgaa tattggcaag ggcatggaga aaaaagaacc 164520
cttgtacact gttggtagaa atgtaaattg caacagcctt tatggaaaat agaatggagg 164580
ttcctcaaaa aataaaaata gaactaccat acaatctagc aattccactt atgagtgtac 164640
atccaaagga atcaaatcac tatgtcaaag agatatctgt acttccttgt ttattgcagc 164700
tttactcaca gtagccaaga taaggaaaaa atctaaatgt ccatcaacgg ataaagaaaa 164760
tggggggagg ggtgtgcatg tatacataca caatggacta ttttttcagcc ataacaaaga 164820
aggaaaccct gccatttgtg acgatatgaa tgaacccaga ggacattatg ttaagtgaaa 164880
taagccagac acagaaatac aaatattgta tgatctcatt tatatgcgaa tctaaaaatt 164940
tcaaacttga agacgaataa gtagaacagt atttatcagg agctagggga tgtggggaag 165000
aagcaaaata ttgggcaaag agtataaact ttcagttatg agatgaaggc caggtgcgat 165060
ggctcatgtt ggtaatccca atactttgga aggctgaggc agagggattg cttgagacca 165120
gcctaggcaa gaaagtgaga cctcatctct acaaaaaata aaaataaaag aatcagctgg 165180
gagtggtggc atacacctgt agtcccagct agtcaggagg ctgagggggg aggatcattt 165240
gaaattggaa agtcaaggct gcagtcagcc aagatagtgc cactgcattg cagcctgggt 165300
gacagagcga aaccctgtct caaaaaaaaa aaaaaaaaaa agatgaataa gttctgggga 165360
tcaaatgtac agcatggtga ctatagtttta taactgcgtt attacttgaa attggataag 165420
agcagatttt aagcatcccc agcacccccc caacatacac acacacaaat ggtaactata 165480
ggtggtgata gatatgttaa tttgactgtg acaatcagca ttcaatatat acatatatca 165540
```

```
aatcatcaca ttttacccct tgaaatagaa actttgattt gtcaatcaaa tattttaaaa 165600
cgaaaataat cataatatta atatagcata caggaaaaaa tttcgtatct cgactgatac 165660
agaaaatttc atgataaaaa cactttaaaa caaaagaaat aaaagggaac tccctcaacc 165720
tgataaatgg catctgtgga aaccccccagc tagcatcaaa cttaatacag aaaggctggg 165780
tgttcacctc ttgaaccagg aacaagacaa agatgcctgc ttttgccact tccatttgac 165840
cttgtactga ggttctggct agggcaatta tccctgaaaa agaaataaaa ggcttccaaa 165900
taaaagaaga agtaaaacta tctctactcg ctcatgacat gatcttgcat atagaaaatg 165960
tgcacatgta cacacacaca aaccattaga actaataaac aagttcagca agtttgcaga 166020
atataaaatg aatgtacaaa aatcaagtgt ttttctatat actagcaatt aacaatctca 166080
aaatgaatta aaattccatt tacaatagta tcaaacataa attatttaga aataaaaagt 166140
gcactgaaaa ctacaaaata ttttgaaata aatcagaaaa gatttaagta aatggatcac 166200
ttgaacctgg gaagcagagg ttgcagtgtg ccgagattgt accactgcac tttagcctgg 166260
gcaacagagg gagactccaa agagtcgaaa agaaagaaa agatttaaat aagctgaaac 166320
atattctatg gatcagaaga cttaatattg ttaaagtgac aatattcccc aaattgatct 166380
acagcttcaa ctcaaccccct atcaaaatcc tagcttgctt tttggctgaa attgacaagc 166440
tgattctata atttatatgg aatctcaaag gatccagaat aaccaaaaca atattgaaaa 166500
ataaagaaca gcgttggtgg attaacattt tccaatttca aaacttacta tagcactgcg 166560
gtaatcaagc agtgtggcac tgtatagcat gtacattaca gatcagtgga ctagaatcaa 166620
tgtccagaaa taaaccgtta tgtttataat gaattacttt ttaataaggt gtcaagacaa 166680
cgcaatggga aaagaataat gaattcaaca aatgatgcat ggacaaccgg acatgcacat 166740
gcaacacaat gaatttgaat tcttctatcg ctccatgcat aaaaactaac tcaaaatggg 166800
tcacggatgt aaatgaaaag ctaaaactat aataatccta gaggaaaacc taggagtaaa 166860
tctttaagat gttattgtag gcagtggttt ctcagatagg accccaaaat cacaagcgac 166920
aaaagaaatt ggacttaaag ttaaatactt ttgtgcttca aacatcatca agaaagtgaa 166980
aacacaaccc gcagaagcaa taaaaatgtc tgtaagtcat gtatccgatt agagacttct 167040
atccaggata tataaataat gcaattcaat gataaaaaag ataaatagcc cagttttcca 167100
aagagtcaag catctgaata tacatctctc caaaaatata cagatatcca acaagcatgt 167160
gaaaagatgt tcaaagccat ttgccaggtg cacaaaccca agacagtatg aggagatgct 167220
acagggactc tgctgcttca cagacatgaa gcgttggtga gaatgtaggc agccgccttt 167280
ggggacttca catccccgcc gccccacgca cggtgagcta gtgtttaaac ttagccgaga 167340
tcaatacacg cgactgtgtg cccgtcagac cctgcgctgc cggcgggggct gggagaggcg 167400
ggcgccagga gtgggcggga acctgggggt caggcccccag ccgcgggaag ccgcccagga 167460
gcgcgcgaaa ccttctccac acccttccag gcatttgccc gccgcgattc agagagccga 167520
cccgtgaccc ctggcctccc ctagacagcc ccgcatgtcc agatgtgccg tcccgcctgc 167580
ctcccgcgac cactggccat ctctgggcct gggcgcggtc tcggcgcccg cctgcccccg 167640
ccaggagccg caggtccagc cagtgaagaa gcccgcgctg aaggagcctc tgtgctccag 167700
aatccatcct cagtatcagc gctggggtgg cctcctccag gaagcccttc tgattctctc 167760
atgggtcgct cttcctctgc agactcccgg agcacccctg ctccaagtac cgcaagtggc 167820
actgagaact tggggagagc agaggctgtg cctagatttg tagggagtcc ccgcagctcc 167880
accccagggc ctacaggagc ctggccttgg gcgaagccga ggcaggcagg cagggcaaag 167940
ggtggaagca attcaggaga gaacgagtga acgaatggat gaggggtggc agccgaggtt 168000
gccccagtcc cctggctgca ggaacagaca cctcgctgag gagagaccca ggagcgaggc 168060
ccctgccccg cccgaggcga ggtcccgccc agtcggcgcc gcgtgaagag tgggagagaa 168120
tactgcgggg gcggggggcgg gggcggggggc gggggcggggg gccgccggga gcctggagcc 168180
agaccgggcg gggccggcac cgggccaggg acagtggggg aggaggctgc gggctgagcg 168240
accctgaccc cccccagtcc gcgctggttc cgg                         168273
```

```
<210> 3
<211> 2497
<212> DNA
<213> Homo sapiens

<400> 3
gggcgccgag gctccccgcc gctcgctgct ccccggcccg cgccatgccc tcctacacgg 60
tcaccgtggc cactggcagc cagtggttcg ccggcactga cgactacatc tacctcagcc 120
tcgtgggctc ggcgggctgc agcgagaagc acctgctgga caagcccttc tacaacgact 180
tcgagcgtgg cgcggtggat tcatacgacg tgactgtgga cgaggaactg ggcgagatcc 240
```

```
agctggtcag  aatcgagaag  cgcaagtact  ggctgaatga  cgactggtac  ctgaagtaca  300
tcacgctgaa  gacgccccac  ggggactaca  tcgagttccc  ctgctaccgc  tggatcaccg  360
gcgatgtcga  ggttgtcctg  agggatggac  gcgcaaagtt  ggcccgagat  gaccaaattc  420
acattctcaa  gcaacaccga  cgtaaagaac  tggaaacacg  gcaaaaacaa  tatcgatgga  480
tggagtggaa  ccctggcttc  cccttgagca  tcgatgccaa  atgccacaag  gatttacccc  540
gtgatatcca  gtttgatagt  gaaaaaggag  tggactttgt  tctgaattac  tccaaagcga  600
tggagaacct  gttcatcaac  cgcttcatgc  acatgttcca  gtcttcttgg  aatgacttcg  660
ccgactttga  gaaaatcttt  gtcaagatca  gcaacactat  ttctgagcgg  gtcatgaatc  720
actggcagga  agacctgatg  tttggctacc  agttcctgaa  tggctgcaac  cctgtgttga  780
tccggcgctg  cacagagctg  cccgagaagc  tcccggtgac  cacggagatg  gtagagtgca  840
gcctggagcg  gcagctcagc  ttggagcagg  aggtccagca  agggaacatt  ttcatcgtgg  900
actttgagct  gctggatggc  atcgatgcca  acaaaacaga  cccctgcaca  ctccagttcc  960
tggccgctcc  catctgcttg  ctgtataaga  acctggccaa  caagattgtc  cccattgcca  1020
tccagctcaa  ccaaatcccg  ggagatgaga  accctatttt  cctcccttcg  gatgcaaaat  1080
acgactggct  tttggccaaa  atctgggtgc  gttccagtga  cttccacgtc  caccagacca  1140
tcacccacct  tctgcgaaca  catctggtgt  ctgaggtttt  tggcattgca  atgtaccgcc  1200
agctgcctgc  tgtgcacccc  attttcaagc  tgctggtggc  acacgtgaga  ttcaccattg  1260
caatcaacac  caaggcccgt  gagcagctca  tctgcgagtg  tggcctcttt  gacaaggcca  1320
acgccacagg  gggcggtggg  cacgtgcaga  tggtgcagag  ggccatgaag  gacctgacct  1380
atgcctccct  gtgctttccc  gaggccatca  aggcccgggg  catggagagc  aaagaagaca  1440
tcccctacta  cttctaccgg  gacgacgggc  tcctggtgtg  ggaagccatc  aggacgttca  1500
cggccgaggt  ggtagacatc  tactacgagg  gcgaccaggt  ggtggaggag  gacccgggagc  1560
tgcaggactt  cgtgaacgat  gtctacgtgt  acggcatgcg  gggccgcaag  tcctcaggct  1620
tccccaagtc  ggtcaagagc  cgggagcagc  tgtcggagta  cctgaccgtg  gtgatcttca  1680
ccgcctccgc  ccagcacgcc  gcggtcaact  tcggccagta  cgactggtgc  tcctggatcc  1740
ccaatgcgcc  cccaaccatg  cgagccccgc  caccgactgc  caagggcgtg  gtgaccattg  1800
agcagatcgt  ggacacgctg  cccgaccgcg  gccgctcctg  ctggcatctg  ggtgcagtgt  1860
gggcgctgag  ccagttccag  gaaaacgagc  tgttcctggg  catgtaccca  gaagagcatt  1920
ttatcgagaa  gcctgtgaag  gaagccatgg  cccgattccg  caagaacctc  gaggccattg  1980
tcagcgtgat  tgctgagcgc  aacaagaaga  agcagctgcc  atattactac  ttgtccccag  2040
accggattcc  gaacagtgtg  gccatctgag  cacactgcca  gtctcactgt  gggaaggcca  2100
gctgcccag  ccagatggac  tccagcctgc  ctggcaggct  gtctggccag  gcctcttggc  2160
agtcacatct  cttcctccga  ggccagtacc  tttccatta   ttctttgatc  ttcagggaac  2220
tgcatagatt  gtatcaaagt  gtaaacacca  tagggaccca  ttctacacag  agcaggactg  2280
cacaggcgtc  ctgtccacac  ccagctcagc  atttccacac  caagcagcaa  cagcaaatca  2340
cgaccactga  tagatgtcta  ttcttgttgg  agacatggga  tgattatttt  ctgttctatt  2400
tgtgcttagt  ccaattcctt  gcacatagta  ggtacccaat  tcaattacta  ttgaatgaat  2460
taagaattgg  ttgccataaa  aataaatcag  ttcattt               2497
```

<210> 4
<211> 21
<212> DNA
<213> Homo sapiens

<400> 4
aggagcgcgc aaaaccttct c   21

<210> 5
<211> 20
<212> DNA
<213> Homo sapiens

<400> 5
tggacttaaa tacttttgtg   20

<210> 6

```
<211> 21
<212> DNA
<213> Homo sapiens

<400> 6
tcatgtatcc aattagagac t                                               21

<210> 7
<211> 21
<212> DNA
<213> Homo sapiens

<400> 7
acttactata acactgcggt a                                               21

<210> 8
<211> 21
<212> DNA
<213> Homo sapiens

<400> 8
ttacagatca atggactaga a                                               21

<210> 9
<211> 18
<212> DNA
<213> Homo sapiens

<400> 9
gggccaggga ccagtggt                                                   18

<210> 10
<211> 18
<212> DNA
<213> Homo sapiens

<400> 10
aaccgggtcc cggacgca                                                   18

<210> 11
<211> 19
<212> DNA
<213> Homo sapiens

<400> 11
aggctcagga gaccacgca                                                  19

<210> 12
<211> 16
<212> DNA
<213> Homo sapiens

<400> 12
tcccgcccct gcacag                                                     16

<210> 13
<211> 24
```

<212> DNA
<213> Homo sapiens

<400> 13
cattgggcat tgttattgtt cttc   24

<210> 14
<211> 25
<212> DNA
<213> Homo sapiens

<400> 14
agttgtaggt aaggtgaagt ttggg   25

<210> 15
<211> 19
<212> DNA
<213> Homo sapiens

<400> 15
tcgtctgaca gtgtgggcg   19

<210> 16
<211> 22
<212> DNA
<213> Homo sapiens

<400> 16
ccatgaggaa aggagtgagg gt   22

<210> 17
<211> 19
<212> DNA
<213> Homo sapiens

<400> 17
tggtgtgaag gggctctgc   19

<210> 18
<211> 25
<212> DNA
<213> Homo sapiens

<400> 18
aagtatcaga caggagagca gcatc   25

<210> 19
<211> 21
<212> DNA
<213> Homo sapiens

<400> 19
gcctcgcttt tctcctggta g   21

<210> 20
<211> 19

```
<212> DNA
<213> Homo sapiens

<400> 20
ccacttcccc agcccatca                                              19

<210> 21
<211> 22
<212> DNA
<213> Homo sapiens

<400> 21
gatttttggt ccgtctgctg ag                                         22

<210> 22
<211> 18
<212> DNA
<213> Homo sapiens

<400> 22
gaaaggtgtg cccccccag                                             18

<210> 23
<211> 22
<212> DNA
<213> Homo sapiens

<400> 23
tttcctttcc cccaatgtat ca                                         22

<210> 24
<211> 18
<212> DNA
<213> Homo sapiens

<400> 24
gggcggtagc tggctgta                                              18

<210> 25
<211> 18
<212> DNA
<213> Homo sapiens

<400> 25
gagctgcggg tccctgag                                              18

<210> 26
<211> 20
<212> DNA
<213> Homo sapiens

<400> 26
agatagggag tgaaggcggc                                            20

<210> 27
<211> 18
<212> DNA
```

<213> Homo sapiens

<400> 27
agccacccgc tcagggca   18

<210> 28
<211> 17
<212> DNA
<213> Homo sapiens

<400> 28
aggcaggggt cccggct   17

<210> 29
<211> 17
<212> DNA
<213> Homo sapiens

<400> 29
tccgcagacc tggctgg   17

<210> 30
<211> 16
<212> DNA
<213> Homo sapiens

<400> 30
gaggggtggc ggaggg   16

<210> 31
<211> 18
<212> DNA
<213> Homo sapiens

<400> 31
ccggtggttc caccctag   18

<210> 32
<211> 19
<212> DNA
<213> Homo sapiens

<400> 32
gggaggaggc agcggcctt   19

<210> 33
<211> 17
<212> DNA
<213> Homo sapiens

<400> 33
tgctggcggt cgtctcc   17

<210> 34
<211> 16
<212> DNA
<213> Homo sapiens

```
<400> 34
cgccctgccc agcttc                                                16

<210> 35
<211> 28
<212> DNA
<213> Homo sapiens

<400> 35
tgggatgatt attttctgtt ctatttgt                                  28

<210> 36
<211> 25

<212> DNA
<213> Homo sapiens

<400> 36
gagtagacac tgcttgaggg aaaaa                                     25

<210> 37
<211> 18
<212> DNA
<213> Homo sapiens

<400> 37
gcgtcctgtc cacaccca                                             18

<210> 38
<211> 26
<212> DNA
<213> Homo sapiens

<400> 38
tgaactgatt tattttttatg gcaacc                                   26

<210> 39
<211> 18
<212> DNA
<213> Homo sapiens

<400> 39
gcccgattcc gcaagaac                                             18

<210> 40
<211> 24
<212> DNA
<213> Homo sapiens

<400> 40
gaggaagaga tgtgactgcc aaga                                      24

<210> 41
<211> 25
<212> DNA
<213> Homo sapiens
```

```
<400> 41
cagtttacac gggtagtgga ttgac                                    25

<210> 42
<211> 23
<212> DNA
<213> Homo sapiens

<400> 42
gaagagatgt gactgccaag agg                                      23

<210> 43
<211> 23
<212> DNA
<213> Homo sapiens

<400> 43
cctcttggca gtcacatctc ttc                                      23

<210> 44
<211> 28
<212> DNA
<213> Homo sapiens

<400> 44
acaaatagaa cagaaaataa tcatccca                                 28

<210> 45
<211> 23
<212> DNA
<213> Homo sapiens

<400> 45
ctaactcaaa atgggtcacg gat                                      23

<210> 46
<211> 20
<212> DNA
<213> Homo sapiens

<400> 46
attgcttctg cgggttgtgt                                          20

<210> 47
<211> 18
<212> DNA
<213> Homo sapiens

<400> 47
gagagccgac ccgtgacc                                            18

<210> 48
<211> 24
<212> DNA
<213> Homo sapiens
```

```
<400> 48
gctgatactg aggatggatt ctgg                                      24


<210> 49
<211> 21
<212> DNA
<213> Homo sapiens

<400> 49
tgaaaacaca acccgcagaa g                                         21


<210> 50
<211> 19
<212> DNA
<213> Homo sapiens

<400> 50
tgcacctggc aaatggctt                                            19


<210> 51
<211> 20
<212> DNA
<213> Homo sapiens

<400> 51
aaagaacagc gttggtggat                                           20


<210> 52
<211> 22
<212> DNA
<213> Homo sapiens

<400> 52
caaattcatt gtgttgcatg tg                                        22


<210> 53
<211> 24
<212> DNA
<213> Homo sapiens

<400> 53
aacttagccg agatcaatac acgc                                      24


<210> 54
<211> 19
<212> DNA
<213> Homo sapiens

<400> 54
gcaaatgcct ggaagggtg                                            19


<210> 55
<211> 24
<212> DNA
<213> Homo sapiens

<400> 55
```

gcacaaaccc aagacagtat gagg   24

<210> 56
<211> 18
<212> DNA
<213> Homo sapiens

<400> 56
cggcggggat gtgaagtc   18

<210> 57
<211> 20
<212> DNA
<213> Homo sapiens

<400> 57
tggcactgag aacttgggga   20

<210> 58
<211> 18
<212> DNA
<213> Homo sapiens

<400> 58
actggggcaa cctcggct   18

<210> 59
<211> 24
<212> DNA
<213> Homo sapiens

<400> 59
gctccagaat ccatcctcag tatc   24

<210> 60
<211> 21
<212> DNA
<213> Homo sapiens

<400> 60
gcctctgctc tccccaagtt c   21

<210> 61
<211> 6
<212> DNA
<213> Homo sapiens

<400> 61
ggcggg   6

<210> 62
<211> 6
<212> DNA
<213> Homo sapiens

<400> 62
gttaaa   6

```
<210> 63
<211> 168174
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(168174)
<223> n = A,T,C or G

<400> 63
ttgcacgctn ctcagccccg gctgtactat tggtctacac gtgccatcgt ggtttgctgc 60
acccatcaac ccatcatcta cattaggtat ttctcctaat gctctctttc cccttgcccc 120
ccaccctcta acacgccctg ttgtgtgatg ttgacctccc tgtgtacatg tgttgtcatt 180
gtacaactcc tgcttatgag tgacaacatc tgtctgattt tctgtcttgt gttagtttgc 240
tgagaatgat ggttcccatc ttcatccttg tacctgcaaa ggacatgaac tcatccttta 300
atatggctgc ttagaatccc acagtataga tgtgcctcat tttctttatc cagactatca 360
ttgatgggca tttgggttgg atccaagact ttgctattgt gaacagtgat tcaataaaca 420
tacgagtgca tgtgtcttta tggatgaatg attgataatc ctttgggcat atacccacta 480
atgggattgc tggacctaat ggtttgcctg gatcctgatc cttgaggaat caccacactc 540
tcttacagtg taaaagtgtc tctatatata ctcatcccct ccagcatctg ttatttactg 600
actctttaat catcaacctt cttactggag agagaaggtt taattaccac taatgacgag 660
cctttaatca aattgttgtt ggacccttcc caacttactt gcgaaggggt catttgtaaa 720
cttacgccac ctttttgatgg ggcagttttt ctcgtttatc cgcaaagatc ctgggggacc 780
cctttttttta actcttttga agaccgttat atctgaacaa tttctcccat accgagaggt 840
ggcgggttac aacccttgaa agtttctttt ttttttttggg gccccttagt ttcacaaaaa 900
tcccttcgga ccaatttgcc ttttgttgcc aaggaatttt tcccctaag tcactaggaa 960
tttttcccag ggcacacagg tgtagtggcc ttccccagaa tttttctcct gggtatccaa 1020
tgttataaga aaaaaaattg gggaattttt ttaaacctcc aataaaattt tttatagaga 1080
taaggccggt ttcatttnnn nnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 1140
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnncgc 1200
ggtcttcagc ccgtggtgaa gactgattaa cagtcataag aaggtaaagc tctaagtgac 1260
ctgtaagaaa catacagtct cacacaatta ggcaaggagt ccaacttgga agaaagagtg 1320
gcatagattc aaaccctgat gccacaactt atgttaaccc tcctgaggct caacttctca 1380
cacatgacag gagaatctca tcatgtacct caattaattg atatacagat tatggtaaac 1440
attcaatgaa aaagtatgta aagtttctat cattctacta cagttggtat tcaacaaatg 1500
ccactttatt cactttctgt taagcctgaa agaagtactg aatgacatca acgagtgcaa 1560
ttcaacaaat ataatttgag cactgattac tcaataagca ttatgaggaa ctaaaatatt 1620
atcagcaaat gatggctgac atagaggaaa tgtgacagag taggaagatc cctgtactcc 1680
ctgtatcaaa ggactgagat tcttccactc aggaccatgt gtgaccccaa cagaaagtag 1740
aaatttacag aaagatacct ggcaaaacac ccaaatagtt tgaagttaaa aaatatacct 1800
ctgaataaca ccccatggaa attttttaaag attataatgt gaattaaaat gaaaacatat 1860
aaccataaca aaaattgtag gatacaggaa aactggtgct catatagcat taactgttta 1920
cattacattt tagagaatca acttaattca attatctaag tttctatttt agaaaactat 1980
gtaaaaaaag gagagcatat ttaaaaagta agcagaagaa caaaagataa gcatgacaga 2040
caatgaaatt gaaaatggaa aaatcataga gaagaatcaa atgaatcaaa agtagtttct 2100
tggaaaagat caataaataa aattggttga tataatttac tgatattagg agtgggaaag 2160
ataatcactg atcatagatc catgatgaac aagcttattt caataaatta ataaactcag 2220
caacttcaac aaaatggaca gattacttgg aagacaccaa ttaccaaagc tcaaaaaaag 2280
agaatctaaa tagtcctata tttatgaaaa aaaaaaacaa aactgaattt gtatttaaaa 2340
actttgccac aaagaaaatt ttaggttcag atgggtttcc taataaattt ttcccatttta 2400
gtaagaataa tatcaattct acacaaactc attcaaaaaa aaaggagaga gaatacttta 2460
caacacgttc tgcaaggtca gtattaccct gataccaaaa caaaggatat tacataaaaa 2520
cgacaccaat atccttcatg aacatagatt cttcaccacg gggctggaag gatccgnnnn 2580
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 2640
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnatag cacgcccttg agcccctggt 2700
```

```
gaatataaga gattaggcta cagcgtgttc tactccaact ttatttgctt tctgagcatc 2760
taattccact ttgcaaaatg gacatttttt ttccctcttg agagtcagga aattaccagg 2820
tgtgccagga taatccttag tatcaactgt aaaatatcag tataaaataa tgagtaagca 2880
tatttcagtg ggtgtttata tgcttttggt tgcatagcat gagccaaagg cagataaaaa 2940
atgtgggctc cagatagtga ctcaatctcc agaaatcata atgtcagtta cacaatgata 3000
tttctatatt ggcatcacaa aataatccac ttgtcatagg ataattgctc tagatgaggg 3060
catggagctg tgctgaggaa tctgccattt ttctttatcc agactctgtc tcataccgac 3120
cacaggcccc aatcattgtc tatcaaaaaa catgcttgtg tctcttttgg cttactatga 3180
aaggaagcaa gatctttttcc tcaagcattt aagtgttgac tgtgggctac ccagtgtgct 3240
agacactgng gatcaaattc tgtgaggtta aaaataccccc ataactcact ggatagaaat 3300
tcaaaatgct cgctatgttg attctatgat caacttccaa ggggaccttt ntacctccta 3360
tcttcatcag caagcaacta cattgatttt gtagcccagg atctattccc acgtcaaccg 3420
tgggtttcaa atgtttgctc tagctcaatg gcctcttaag ccactaaccc aatatgttgc 3480
tttttaccag taaaaaagtg catctgggga ataagttggt gtatatttgt ggttcagcca 3540
gcccatagat cgtccagagg acccccaggct taggaggaat cctcagattt gagagccact 3600
gtcctgtatg atgcagatag cacagctctt cctgaaaata ggaattcaaa tgaggaaaaa 3660
tgaaaactct cctaattatt ttcttctgcc tctttcattc caagctcatc taattatcat 3720
gctctattgt gaagaatcaa agaaagaact cataaatata ccttttgtgc ctgtattttg 3780
aatgtacgtt gtgcatgtaa gcctttgtgg ttaagcaaat gtcaagaaaa tccctagtcc 3840
cattgcttac agtcaatatg gggcaattca agcaaagtat atgcctctaa tatggtttga 3900
aaattctgaa agttcagaaa aaatgttgct acttcagcca tctgatgtta ctggatattg 3960
agaatgagac ctcctctccc tctgctttcc tcatttccat ctcctccttc ctctttctcc 4020
tctctccctc tcctttattc tccttctccc tcctctctct ccatgcttac tcccttcctc 4080
ttctccctct ttcttcttta ttctccttct ccctcctctc tctctctccc ctttttcctc 4140
ccttcctctc ctccctccct ctcctttatt ctccttctcc ctcctctctc tctctcccccc 4200
ttttcctata ttcccagatt aggccatttt caaaactggt taaacattcc ccaaaagcat 4260
ttatgacaga gaattgacta ggatctcacc tgaatcacag agcttgccca ttgaacacag 4320
gcaaagatca agccatttttc tcttgatgtg atgcttcagc attttatgca tttgaaacaa 4380
attttatgta aaaaaaagct tagcccttttg gtgacgggga ttcctttttct ggatgatctg 4440
ccaaagaatc aagacccaac gtccagctta tcaaattttc tctggacctt tannnnnnnn 4500
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 4560
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnccgtggtg aagacttcca cgtgaacttt 4620
aaagtagttt tttccaattc tgtgaagaat gtcattggta gcttgatggg gatggcactg 4680
aagattttct tcattttttat gactgcatag cattccatgg agtatatgta ccacattttc 4740
tttatccaat tcactgttgg tgggcaccta ggtcaattcc atgactttgc tgttgtgaat 4800
agtactgcaa tgaacatgtg agtgcatgtg tctttttgga ggaataattt gttctctttt 4860
ggatatatac ccagtaatgg ggttgctggg ccaaatggta gttctgtttt aagttctttg 4920
agaaatctcc aaactgcttt ccacagaggc tgaactaatt gacattccca ctgccatgca 4980
tgagcattcc cttttctcct cagctccacc aacatctgtt gctttctgac tttttgataa 5040
tagccattct gatgtgtgag atggtagccc attggggttt cttttttttt ttttaagaca 5100
gagtctcact ctgtcaccta ggctgtggca caatgttggc tcgctgcaac ctctgcctcc 5160
tgggttcaag tgattctcct acctcagcct actgagaagc tagggttaca ggcacctgcc 5220
accacacccca gctaattttg gtattttttgg tagagacagg gtttagccat attggcaagg 5280
ctggtctcta actcctgacc tcaggtgacc cacctgcctc ggcttccaa agtgctggga 5340
ttgcatgcgt tagctaccat gggtggtttt tgacttgcat ttctctgatg attagtaatg 5400
atgatccttt tttcatacat ttgttggcca cttgtatgtc ttcttttgag aagtgtctgt 5460
tcatatcttt tgcccatttt tcaatggggt tgtttttttcc ttgtccagtt gtttaagtta 5520
tttatagatt ctggatatta gtcctttgtt gggtgcataa tttgcaaata ttttatctca 5580
ttctgtaggt tatctatttta atctgttgat agtgtctttt cttgtacaga agttgttcag 5640
tttaattagg tctcacttgt caatttctgt ttttgttgta attgcttttg aggacttaat 5700
cataaattct ttcccaaggc ccatgtccag aatggtgttt ctgagatttt cttctaggat 5760
tctttttactt caaggtctta tatttaaatc tttaatccat ctggagttaa tttttgtatg 5820
tggcaaaagt taggtgtctt gtttttatttt tctgcatatg gctagtcagc tatcccagga 5880
ccattcattc actagggagt cctttccccca ttgtttactt ttggcaactt tgtcaaagat 5940
tagatggctg taagtgtgca gatttatttc tcagctctct attctgttca actggtgtag 6000
gtatctgttt tcgtactagc accatgctgt tttggttact gtagtcttat tagtatagtt 6060
tgaagccagg taatgtgatg cctctggctt tgttcttttt gcttaggatt gctttttggg 6120
```

```
ctctctgttg ttgttgttcc atatgaattt taggacactt ttttccaatt ctataaaaaa 6180
atgacattgg tagtttggta ataatagcat tgaatctgta gatagattgc tttgggcagt 6240
atggccattt taatgatatt gattcttcca atccctgagc atggaatgtt tttccattta 6300
tttgtgtcct ctctgatttc ttttagcagc gttttatagt tctccttgta gagatctttc 6360
acctccttgg ttagctgttt tcctaggtat tttaattttt tgggcctttg taagtgggat 6420
tgcaagcttg aattggttct tagcctgaat gttattggtt tatagaaata ctactaattt 6480
ttgccatcca ttttgtatcc tgaaacgtcc ctgagtcatt tgttaattcc cagaggcttt 6540
gtggagtctt taggttttct attttttagaa tctattcttc ccaaagagaa atactttccc 6600
ctctcttttc ctaatcggac ccctttattt attcctttgc ccaaggcttg gaaagccctt 6660
ccatactttt ttaaaaagaa cgtggaaaaa ggcccctttc ttattctcgt ttaaaggaac 6720
cttccatttt cgctgtcaaa tggnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 6780
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 6840
nnntttgttg ggaatatccg gtgcttattc ctcttcagga gttttattct tccaaaaatg 6900
cagcttttca ttcctcctcg ttttttcttt tgtgccaaat gcctccagcc tttccatgtt 6960
ggtgcggtaa gctagacatt tttagtttgt agtgattgtt ttcgtttgtg tttgtatgtt 7020
tttgtgccca tagtcacttc tgtaatgttc gtttctgagt ttcctttggg gggattaacc 7080
tgccactgaa gtgtcagctt ccctgtcatg ggactgtcct tggaatgaca ggttttcctt 7140
ccaccatagg atctgccact gtgaaggaga tgatgagagc cccctgatca cccctgcca 7200
ctgcacagga agcctccact tcgtgcacca ggcctgcctg cagcagtgga tcaagagctc 7260
cgacacgcgc tgctgcgagc tctgcaagta tgagttcatc atggagacca agctgaagcc 7320
actgagaaaa gtacgtggga ggaagggatg cttcaccctt cctgaaacca gtgaccccca 7380
gaaagctggt gtctcagatc atgaggtcat ggcttgcctg cgttcatttc cttaaaaagc 7440
tggggctggt gcttacattt gcattgtaga gattgttgtt tctggtgctg attttcaagt 7500
ccctcttctc aggaagaagc tctttctgac cattcataat ccttcttttc ccttcaaagt 7560
aagactgctt gcttgtcggt gtcagtcctc tggcctttga ctacagactg tttgtgacat 7620
atcttagcac ctaattttat acatattaac tgttgacgtc ctgcttctct gattaggact 7680
gtctgttgga gattagtatc tccccagcac ccagcacagt gtagcataca gtaaatttat 7740
ttgtatacac ccatgataac tatttgctgg atgggagtgt gagtaggtgg ataggggaaa 7800
gaaaggaagc acaaacgttg cgtgatgtgc aactgtcttc agaaaggacc cacaggcatt 7860
gcatgacacg cagctgtctg gaggcccatg tcactgctcc ctctgagagg agctttgtcc 7920
gccacactgg cttcctgttt aaattttgac tgtttcatat atctctctag atgcccagca 7980
caaaaggttt tgtctggaag aataaaaaac tgttcctatc tcagaacatt aaatataaa 8040
ttgcaagata agtcacataa tcaaatacta gccaattaaa tgctaaatgg tgtgctggta 8100
gagcataaca gtcattcaga aaaggaaatg ctcattatga gctagagtgc tggggaagtg 8160
gagcgatggt agcctcatag ggtgtttggg ttttagagca gttcttgaag gatcactagg 8220
atttggaggc agagtgcaag gagtttagag aggtcaggct gtctgtggag taaagcatac 8280
cctagaaagg tgaaggtgaa cattgacagg gtgtcaagct acgtgcgttg taggaagtag 8340
cagggagcat ggggcactga ggcactgact ctgtattata ggtaggaaga ccaggaact 8400
tgctagtgta taaaatccca gcagaaaaca accagattta gagaaggctt gtgcaaactg 8460
cttaaaaaaa tgttttgccc agtagaaacc ttgtaattta ttgggtgcct actctatgct 8520
aatctctcaa catgggaagt ccttgaggct ctattttcaa ctaccctgca tagactcatc 8580
tggaaagagg ctgtgactag ggttggcaaa ggatatgtgc agagtgttta cacattgttc 8640
tttctctcta cctttatgtg ttttctcctg attcggaaac cagtaaatga aaaagaaagt 8700
ctggctattt ggagtaaatt aatgagctcc tagaggagat gggactagca gagtctgctt 8760
gtaccaggaa ctcttagcgt cgatttcgag ctgttgctgc caaagtagca aggaccaaag 8820
agtgagcgtc ttctgccatt caccttcaca atgtagtgtg acccatctgc tagtgtgttg 8880
tggcatcatc aaccctcttc ttccgctcgt ccatgccagt cagcacatca gggagactta 8940
aaacgtagta cctgggtcct gggccaacat actgttttca ttaggactga aatcatagaa 9000
ttctttatca ggccatctta tgtctgcttg caagaataag cagacaaggg gatttttgat 9060
ggtagttctg cattcatctt gatcctggct tcttttcatt gcatagaaag ttggctgcac 9120
ctggtacctg gttgaagcca agtggtttta ggagaacaat acttggggga atgcatctag 9180
tttgggaagg gagaagtggg gtggaaagcc aatcttacct acctacaatg ctctcacccc 9240
accggagccc ttccccagaa gcctgagcct cacactctgt gttgtctttc tagtgggaga 9300
agttgcagat gacgtccagc gagcgcagga agatcatgtg ctcagtgaca ttccacgtca 9360
ttgccatcac atgtgtggtc tggtccttgt atgtgctcat tgaccgtact gctgaggaga 9420
tcaagcaggg gcaggcaaca ggtgagttct caggctggag caagctcagc atggggggcg 9480
ggatagctca caggagtcct gggggtcagag gattttccag ttagccaaaa acgtctgggt 9540
```

```
ttccggagga gggacatcag ttaggaggca ctagcctcct ttttggcatt tcttttgctg 9600
tggtggtagt tttttgaaacc cagtcaggag agttcatatt ctggagcatg agaatctccg 9660
caaactacat cctataaaag caggaagtag ctggacactg tcttccactc ttctttgact 9720
gagcaacatt ggatgagttg tgaatccatt ggtcagtggt gcaggcttgt ggtccccaga 9780
tacttgaggc tgagggatgg aggattgctg aggctcagga gttcaaggct gtagtgtgcc 9840
atgatcacac ctgtgaatag ccactgcact ccagcgtggg caacatagca agactccatc 9900
tcttaaaaaa caacaacaac aacaaaggtc ttcaccaggg atctgcctag gtcagcgagg 9960
tggttcatca agannnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 10020
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnggagtgt 10080
acttcacccc gtggtgaaga tgcggcacag actggcgttt cctacggcgc cttcactgga 10140
aagcgcccct gtggtcctgg ggagagggcg gctccatccg ccacccttcc cggagctgcc 10200
cccgcccatt ctcatgggag gaaatcgcag ggcgtgtgag cccccgaccc ctcgccccca 10260
cctctgccag gaccggccgc atttctgcac tgtcccgccc cactgggaag gaaactctct 10320
ttctcaattt cctttaatga ggacattgtc ttttcagccc tgccaccccc tgcaatcgtc 10380
ttccaggctg caaacagcga gtggggaggt gaacacatca gcttttcctc cctccacacc 10440
accaggaaat ttcgcaaacc acttggctct cggcggcctg gcctcgccac acctgtgccc 10500
acagtctctc tccgctgcag cccccctgtgc cattctccag gccccacgta cctctgcctg 10560
ggcccagtaa gacctggtca gatggccccc ggctgcaaag ccttcctggg ccccatcaga 10620
gaggacgccc aggtgaagcg agggtcccct gcccaccctg caagcgcagg ggcccttcca 10680
agagtgcagc cctaggccgg tgtgtgatgg tggagacgcg gtcccagagg gcctgaacca 10740
agaatggaga agacaaaggc tgtctttagg gagaaacttc cctgaggggc tgatgtgtgc 10800
gatcccattt taatctcaca accctgggga ggagctgggg ccgggtctca ttgttcattt 10860
gaggacaccg aggctcaggg aacttagacg actttcctag ggtcccccca accccaccg 10920
gcccagggcc ctctcccagg cacccctcat ccccacacag gctcctctaa gctgcttcct 10980
tgtggtccag ccccccttggc tcagctcctc aaatacaggg acacctcttc tctcccccgc 11040
agaactcaag ggtctccatc cactgtgcca gcacagaggc ggtgctcaga gtggggctaa 11100
gcttactgtc cagcctgctg ggccaggagg ggcagaaggg ccctctcag gattccttcg 11160
ctctgctcct gccaataggc catcactcaa ggggctaatg acaggacgat gtggagaaac 11220
gtgggctgca gcacttctgg ggccaagggc agggtgggcg gcactgggga gtacagggga 11280
ggggacctca ctggggccag aggcttctag aagcttctgc aagaaggggc ccctcaccca 11340
tgtcttggcc aagaagtggg gagggtgggt gtggcaaagg aaacagctag gtcagagaca 11400
agagatgctc tgcaaagccc tgctggctcc ccacggtgga gcatcctatg catgtaggac 11460
ctgagagatg gcaggggcgg gtgcgtccct atggatgtat ctccatttct gggcagagac 11520
atctgggctc tcacctgcaa ttgagccaac caagaaatta tatttacttt ttagagcgag 11580
cctccaacaa attatacaag cacttgagaa taagccctcc cactgtcttg agagatggag 11640
cccagggagg cagctggaaa gatgctcctg ccctcactca ggagagatgg tggagctggg 11700
agaggaggag gcactccctg ggacccagca gatggacttg actcagcaaa tagatgcaac 11760
catatgtggg gggtggggag gcccagaaag gcattacagg ccagtgttct taatcctggc 11820
tatacactgg aatccaccag tagccctaaa atataactgt gctggacttc ccctggttcc 11880
acagtttgtg cagagtgggc agcatggagt ctgtaacact aaacacacag gattgagaac 11940
catatgtcta ggctgttgtt agccatgatg gggatacatg aaaaggaggt gcacagttac 12000
cttctatacc acaggatagg tgctcattaa accctgttaa aatggactgt gacccagctg 12060
gcactcaggg gcactcaggg gccaggtggg tcacactttc attttaatag gatttaatga 12120
gcacctattc tgtgacagct gctaagatac agaggctcct gagatacaga gatgacaatg 12180
accttcagaa acactgaaca gagataagaa aggcacagtc tggccttcac tccaccatta 12240
attcctccat ccatccatcc atccatctat ccatccatct ctctgtctat acttccatcc 12300
atccaccatc cattcaccat ccacccatca atccatccac ccatcatcc atccatccat 12360
ctcactatct gtcatccatc catccatcca ccatccatga atccatccat ccgtatatca 12420
atttctcatc tatctctcca tccatcccc atccacctct tcttccatcc ttcctccttc 12480
ccttcatcca tccattcatc atccatccct caacccatcc atctgcctgt ccatcggttt 12540
gattgtccat ctgtccagta ttcctccatt ccctccaaac tgggtggcag tactctccac 12600
ctcactacct caccatcctt attattccct ccaaactgtc tctttcacaa gggccttctg 12660
tcctgcctgt cccatcctgg tctgggacct atcccactaa agctacatgg ctttgatcaa 12720
caatcccaat cccagagtag gggaagggaa gtgagcccct aactgccgtg atgtttccag 12780
ggagatggtg gatactgctg cattactaat ccagatgtta ggtttttaatt tttctctcca 12840
gtagaccca attgtggtag gagaaaaatg ccccagcttt ggacacaaac agacctggat 12900
tcaaatcctg gttttgccaa tttctgccta aatgacttta ggcaaactcc ttgaccttga 12960
```

```
ccccttggag actcagtttc ctcacctaga aatggtcaat aatattattt acctcccagg 13020
atggccatga agcttaaaat agattattgt acccccccaaa acaccgacac aatgtttaga 13080
aataaataat attattttaa gctttgaagt ctggctgggt tctcagcctc gtctacctgc 13140
tgggtgtgca gactcaaagc cagggtccca ccctcataga ctgtcatctg tgggtgtggg 13200
gttggcctgg cactagcagg tgctaatgct cctcagagga ttctaggtgt aaaaggaaat 13260
gaaaatcttt ggaccccaat tcactctgcc aaaagggaaa aattaagctg aaagctgagt 13320
gatgcaagaa acgaagatag ctacagataa aaggtgaaaa cctccacagg tagctcttgg 13380
tgttcacctt atcaagtgct gatgtactaa gcgcaagagg aatacataac tgactattcc 13440
cctacctgct ccttttcttt tgcaacatgt ggattcagta acgtgaccat gccctccctt 13500
tcttccttcc agcctgttct cctttaaata ttgatgccct taaagacatc ttcggaaaaa 13560
ggcacagtcc accaactgtt cctgtggatt tgtgttcctt ttttccgtgt atgtcttttt 13620
ttttattatt atactttaaa ttctaggata catgtgcaca acgtgcagga ttgttacata 13680
tgtatacatg tgccatgttg gtgtgctgca cccattaact cctaattagg tatatctcct 13740
aatgctatcc ctcccccctc tccccacccc atgacaggcc ctggtgtgtg atgttcccct 13800
tcctgtgtcc aagtgttctc attgttcaat tcccacctat gagtgagaac atgcggtgtt 13860
tggttttttg tccttgcgat agtttgctga gaataatggt ttccagcttc atccatgtcc 13920
ctgcaaagga cattaactca tccttttta tggctgcata gtattccata gtgcatatgt 13980
gccacatttt cttaatccag tctatcggtg atggacattt gggttggttc caagtctttg 14040
ctattgtgaa tagtgccaca ataaacatac gtgtgcatgt gtctttatag cagcatgatt 14100
tataatcctt tgggtatata cccgataatg ggatggctgg gtcaaatggt atttctagtt 14160
ctagatcctt gaggaatcgt cacactgtct tccacaatgg ttgaactagt ttacagtccc 14220
accaacagtg taaaagtgtt cctacttctc cacatcctct ccagcacctg ttgtttcctg 14280
acttttaat gattgccatt ctaactggtg taagatggta tctcattgtg gttttgattt 14340
gcatttctct gatggccagt gatgatgagc atttcttcat gtgtctattg gctgcatgaa 14400
tgtcttcttt tgagaagtgt ctgctcatat cctttgccca cttttgatg gggttgtttt 14460
tttcttgtaa gtttgtttga gttgtttgta gattctggat atcagccttt tgtcagctga 14520

gtagattgca aaattttttt cccattctgt aggttgcctg ttcactctga tggtagtttc 14580
ttttgctgtg cagaagctct ttagtttaat tagatcccat ttgtccattt tggcttttgt 14640
tgccattgct tttggtgttt tagacatgaa gtccttgccc atgcctatgt cctgaatggt 14700
attgcctagg ttttcttcta gggttttttat ggtttaggt ctaacattta agtatttaat 14760
ccatcttgaa ttaattttttg tataaggtgt aaggaaggga tccagcttca gctttctaca 14820
tatggctagc cagtcttcac ccggggctga aggtaccgct tnnnnnnnnn nnnnnnnnnn 14880
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 14940
nnnnnnnnnn nnnnnnnnnn nacaatgaga acacatggac acgggttggg ggggtatcac 15000
acactggggc ctgttgggct atggggggct ggggagggat agcattaggg gaaataccta 15060
atgtagatga caggttgatg ggtgcaacaa accaccatgg cacatgtata tctatgtaac 15120
aaacctgcac attctgcaca tgtaccccag aatttaaagt ataataagaa aaataaaaat 15180
aaataagtta aaagagatta aaaaaataaa agagaacatt tgccacattc agtctttcta 15240
gatggaaaga ggttgctgac atatgataga attagaaaat cacacatctt gtaaattctc 15300
atttgtttaa aaagaaatca tacaaattag atgttttttg gagatgactt tttaaaatag 15360
agtcgttaga tcacctctgt aagggatatg tctatatctg ttcagtgggt taggggacat 15420
ggatctggaa agcctgagaa gaaaaagaag gttctatacc agacttgtga tatttagaca 15480
ttttcatatt ctatccattg ttttgtgtgc attttattcc tcactattgt atatatagtt 15540
gacaatgcta aactttttttg tgtattcttt ctatgtgttc cgaatgccta atatatgtca 15600
aaattagcgg tagtaaaata atattttgta aatatctttt tgctaaaatt catatgaaat 15660
gttgtttttg gaggggaatg gccaaactac ctgttgagta atactcatcg tgtttgtgtc 15720
ctggttcagg ggaggaggaa ggaggggaaa gtgcagagag ctctatgccg ctgtgtttac 15780
agtgaggcaa gattaaccat tatctcttat gtctgtgcat tttgttttac ttatctgttt 15840
atgtagtgta tataaaggac aaacgagtcc taatttacaa catctagtct ttttagatgt 15900
taaagaggtt gccagtgtat aacaaaagta gagttagtaa actaatatat tttgtatatt 15960
ttgttttaaa attcctagga aagattgtct tcctatcttt gagcattctt gcgcactgag 16020
ttgatggaga tgggagggat tctaagctag gatgttctta tttggaagac tctttcaaat 16080
tataactatg gttacatgta tgcagtttat tcgagactgc tgtgtatata gtggacaaat 16140
taactcctta cttgaaacac ctagtttatc tagatgttta gaagtgcctg atgtacgtta 16200
aatgtagagg taataaaata ccactttgta aatatctttt tgctaaaatt cataggaaat 16260
actgtctttt agaaatttaa ttgttaagcc acctttgtga gcagtatagt actgtctata 16320
```

```
cttgttcaat ggtttagagg aggtgggagg gaagaaaaat atgtgactga cttatttcac 16380
taagcctaat gtctttaagt ttcattcatg ttgtggcatg tgtcagaatt tccttccttt 16440
ttaaagctga ataatattgc attgtataga tatattacct tttatttatc catttatcca 16500
tcaatagaaa cttgggttgc ttccatattt tagctatcat gaatattgct gccatcaaca 16560
tgttgagttc ctgtattcaa ctctttgggt aatacccaga agtgaaattg ctgaataagt 16620
atggtaattc tctgttaaat ttttgaggag ctgctgattc atacttttac gtataaaata 16680
ttagacctta aatgtattat gtaaaaacac taagtatttt taacattcta gagtaaagaa 16740
ggtgtttctt agcaagacag aaaagctgaa accctcaata gaaaagcctt gttaatgtta 16800
tcacataaaa tattcaaaat ttctgaacac acagacacac acgcactaac gaaaagctat 16860
ttacaacttg tggtagatga agaaataatt tcttaacata gcaagaaccc aggcaaatga 16920
ttaagaaaaa gaataatcat acaaatttaa tacatgtgag aagctgttca gcctttccca 16980
ttaattaaag aagtaaaata taaaacaaaa catataattt ttcacttagc agagatgaaa 17040
taccaaaaca gatgggtata ggtgtggaac atacttcctt ggttgacagt tagccaatat 17100
ctattaaaat cccttgccac agtaatttca gttctagaca tttgtcttat attactgtat 17160
ttattctgtc ctgtaaccat aaaattccaca gctgcctagt gatggttcta tatttaaatg 17220
gaatgcttac tctcagtatt gttttttctt ttgagatgga gtcttgttct gttgccaggc 17280
tggagtgcag tgccatgatc tcagctcact gcaacctcca cctcccaggt tcaagtgatt 17340
ctcctgcctc agcctcccga gtagctagga ctacaggtgt gcaccaccac gcccagctaa 17400
tttttgtatt tttagtagag atggagtttc accttgttgg ccagtatggt ctcgatctct 17460
tgacctcatg atctgcccac cttggcctcc caaagtgctg tgattacagg tgtgagccac 17520
gacacccagc cagtattttt tttttaaac cacagcttct tcattttgag tcatctctaa 17580
atagctgcaa tttactataa cttagggttt acaattttta aaattgtgta tgttaaggta 17640
tccacatgat gtttgatata cttcttttga cataaatata cacaatgaag tgattactac 17700
agccaaataa tgattaccat acccatcatt gctagcgttt agaaagacaa ctgattttta 17760
tgtgctgata ttgtaccctg caaccttact gaatttacta aatctagtag ttttttggtg 17820
catcctttgg gattttctat taacagaatc atgccttctg caaatgtaag taatttagct 17880
gcttcttttt aaatatgtat gcctcttatg tcttttttctt ggctatgttc ttttctctgg 17940
ctagaacttc tagtacaatg tccagtgtca gtgttgaaaa tgggcatcct tgtgttgttc 18000
ctgatttttag gagtaaagct tacagttttt ctacccctga gtatgatttt agttgtgaga 18060
ttttcctata tgcccttttat catgctaaga aagttcccctt ttatttttagt ttgctgatttt 18120
tttaaaatta tgaaagggca tttaatttta tcaaatactt ttttctgtgt ctgttgagag 18180
tttggccatt ttttttctat tgaaatggtg tattatggta gctgatttttt ggatgtgaaa 18240
ccaaccttgt gtccttggga taaatcccat gtaatcatgg tgtataattc tttctatgta 18300
ttgctggatt tggtttgcta gtattttgtt gggaactttt gtgcccataa gataagaggt 18360
attgatctat ggttttctttt tcctgtgatg tctttatttg gttttttgtgt cagggaaata 18420
gtggcttcat aaaatgttca agaagtgtac cctcctcatc tttttgttgg aagagtgtga 18480
aaaattggta ttatcaaatg tttagtagaa ttcaccagtg aagccatttg cttttcttttt 18540
tgggtagttt ttgattactg attcattctc ttaatttgtt ttaggtctat tcagattgtc 18600
tgtttcttct tgagtcagtc ttggtagttg tgtctttctt gaaatttttt catttcactt 18660
aaattatctt atttgtcagt gtacaattat ttttggtatt cctttataat ccttttttatt 18720
tctttaatgt cagtagtaat gtctcttctt ttatttctga ttctatagtt tgagttttct 18780
ctcctctttc cctgatgaaa ctgaagtttt ttccatttta ttgattttttt tcaaacgatc 18840
aaattatttc attaatttgt gctgttatca ttatttcctt ccttctgctt acttaaattt 18900
agtttcatat tttttgtaag tgtcttaagg tagaatttta agttattgat ttaagaactt 18960
tcttaataca agtgtttaca gctgttgata ttactctaat tacttctttA gctgcatcac 19020
aattgttttg gtatgttgtc ttcattatta ttcgtctaaa aatattatct aatttctgtc 19080
ttgatttctt ctttgactca tgaattgttt tagagtggaa atttcatttt aaatttccaa 19140
atatttgtga atttcccaaa tttcccctgt gttgatttc taatttttatt ccattgtggt 19200
taataacata ctttgcatta tttctatcct tcaaatttat tgaggtgtgt tttatggcct 19260
aatatgtggt ctatcttcta gaatgttcca tgctcacttg acatgaatgt atactttgtt 19320
gttgttgtta agtagaatgt tccatagtcc ttgaggtcta tttggtttgt agtattgctc 19380
aagtcctctt tttccttgtt gatccgtcca gttgttctat ccatttttga acgtgtagta 19440
ttgaagtcct tgactatttc tgttgactcg gttgacttgt ctatttctttt cttttctcag 19500
gtctgttttt gtttcattta tttttggtgct tcatatatat aggtgcatat atgttgataa 19560
cagttatatc ttcctaatgg atggattcct ttgtaattac aaaaggccac tctatctcta 19620
gtaacaattt ttgtttttaaa gtctatttgt ctgatatcag tgtactgact ccagtgtttt 19680
tgtggttgct gtttgcataa tatattttttc ctgttcttttt actttcattc tgtgtcttcg 19740
```

```
aatcaaaatt gtgttttctc cagacaatat atacttcatg ttttcttatc caatataaca 19800
cctttgcctt ttgattgcat tgtttattcc attcacactg catattatta tttagtggga 19860
tttatgtctg tcattttagt tcttttttgt ttttgttttg agacagaatc ttgctctgtc 19920
acccaggccg gagtgcagtg gcgtgatctc ggctcactgc aagctccaac tcccgggttc 19980
aggccattct cttgcctcag cctcccaagt agctgggact acaggtgccc accaccactc 20040
gtggctaatt ttttgtattt ttagtggaga ctgggtttca ccgtgttagc caagatggtc 20100
tcgatctcct gacctcgtga tctgcccacc tcggcctccc aaagtgttgg gattacaggc 20160
atgagccacc gcacgcccgg attttttgtt ttttatatgt atcatgtctt tgttgttcct 20220
gttttgtctt tacttctttc tatttcattg aattaatatt ttctaatata gtatttaagt 20280
tttattaata attttatcac tgtattttta ttttttagtgg tttctctagg attttctgta 20340
tatatcttat cagtatgagt ttcagattca cactagctta attccagtaa tatgtagaaa 20400
tgttactcat gtagaactta attctcttgc tcttttgtgg ttattttatt tatattatat 20460
caattaatgt tacaaagata tacattgttt aaattattat tggtgctatt attagcatac 20520
ataacaccca catattaaaa ttgtatatat tgcatatatg tattatagaa ttgtatatat 20580
tatagggcca atagtatatt gtatacatgt tattttatat aattgttttt aaaatgagtt 20640
aagaaaaaag aaaaatgcat ttctactgtc tattatagaa aaataattac atcatactga 20700
acgtcttcac cnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 20760
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn ncgcggaatt 20820
cctaaaagaa ttgctgagac aaagtatatg tgcctttgtc atcctgaggg cagttgtcat 20880
cctgtggagg tttaccattt gctctcccac cagcaatgta taagcatacc tgcttcccaa 20940
cacttccgcc aacacatatt atttgattaa ttttcttggc tgataatggt atctcattgt 21000
agttttaatt tgtatttctc attgtgagag aaatgaagca tcttttcatg ttttgagagc 21060
catctgtgca tcttttccca ttgtttctgt taagtcattg atttgcagta ctgtaatttg 21120
tgatgagttg taaacatgag ctcttctggc ctcttaacca tccttatcca gcctgtcttc 21180
acgttcctcc ttgcctaaaa acaagctcac tcaaacagat cattcctgtg gccctctccc 21240
ttttgaaata aatcagatgg gcaaatttgc ttttgttagg ggcctgagac ccaaatgttt 21300
aaaagtagct tagctgatga gtgaaaagga ggcccagttg ggggttgcac agaaaatgag 21360
gggcgtgggt aatagaggag gctgggcagt aacctggcag aaggcgccag aggccaagga 21420
aggtgcgctg gtgtcctgca gtgagaagga tgtgtgcact atcaactggg taaacacact 21480
gctatagctg ctccagcgac agcaggcact ctcagaaggg aactgagaaa aggggaatgc 21540
cagtttctgc caaggatata tggaaaagtt ttttttcccc gtatgttctt tggcaacctt 21600
gttaaaatca tttaaaatgg tgaatttgat aacaaagcca gccactaaaa gacttggatg 21660
tagcaaaaca aattgtcaaa aagtatttat catttctaag aaataaaata aactgggatt 21720
taggcttgga tagaaatcca gaggtttgtt ttggcataat taattacaac atctgaagaa 21780
gggaggattt ttacaagaat tttttttttt gtagtgagat tgctttatat tccttttcat 21840
gactggagag tctgtcattt ggcaacccgc aaagaacttc aggaacagag ggcctaagtt 21900
ttcttgacac atttggattt ttgcatgatg aacatttgca cttttattag taattgtcga 21960
gtcgtgtgtg gtctgatcct atggagagga gagtgtaggt gtnnntctctg gagctagtac 22020
ntgcccccgn gctcacacgt gccacactgc ctgctgcttt cangaaagag caggacggct 22080
ggtcctgtcc catctagtga ggtcctgtcc catctagtaa ggttctgtcc tcagagctcc 22140
taagagggga ttgctggcct ttgattacac tggcttccag aatctgacca tggaaccatt 22200
atttgaagct gtcagcttca ttttgttgtt gatcaggcca gtcttttagg tctttgttgg 22260
ttgatagatt tctctcaggt ctatagcagc aacaaataaa gctctttaaa attattttct 22320
tgaccattct gcctatggat tggttctgac ctttgaaatg tttgctgtcc tttagatcgt 22380
gacagaagga gcctcttctg ggagctgtga agaccccaca gatctcactg gttttcttgc 22440
ttttattgga agagttagca tttgttgaag tttatattta tgtaaaataa caataagtag 22500
attttaaaat ttttctttaa attctgtgat ctaataagaa gagagactct ttctctgtca 22560
ttgggaggct tgatgaggat cggacatacc tgctgagagt atcctgtaat gttttcataa 22620
gattggaaat ggtgaaatga gagcagaaat gtaggcagag gatgccaacg ctgtttccta 22680
tttcctaagt aaaactgagc agggcagaat ctccccagcc ctgccagaac tcccttcctc 22740
cttgggtccg ctgtcactgt catgctggcc ttgacatctg ctacaagtgc acacacatgg 22800
ggaaccacac agggaagtga acacatgtcc tgacgtgtgt gtgtgcctgg tgtggctgct 22860
tccttgatcc aggctttgtt ttgttacgag gctctgccct cctaccttca ggccttgctc 22920
ctcatcatgg gcatgcaagg atggaatcgt taccccagag tacacttttt gacttggatt 22980
acttgtagtt tagtactgga gttcagaact ttaatttccc atcagaaacc tgcctccgg 23040
acccaggaca ctgaccttga ttgggcacga ttttccagat aagaccttac ctcctcccaa 23100
cagggtttgc cttcccttca gaatacagga aagtacacgt ggttccaaga ggaccatgct 23160
```

```
cttactaaga taaaagggag gagggtgact aggtactttc ctctgctgcc atcccttgaa 23220
ggaaggggggc ttccttcaat gcctcatcag ttccagggag tatgcttgac ccagcaacac 23280
agaggaagaa gtgacctcat agcaatgagg ggcaagcatg tggatattgc tgggtatttc 23340
ttcctcaaag tctacctggg gacaggtgat gaagacgctt acttctctgc aatacaccgt 23400
gatcaggctt tggtcttcat gacacatttt agccttgcct atgtgtgttg aacagagctg 23460
gtcatcctca gaaataaaag aagagagcaa taagtacagg aaggctttca gtcccagaat 23520
agtgttagga ctaaatgtca gagaacaggg ggactgtagg agtttgggga ccttagcatg 23580
gatacccotct caatctgctc ccctgtggta taaacagtaa agcccattgt actaaaaggc 23640
cttgagtgct tgtctctggg gcaggtggag ccagtgatgg gtgccccgag aggaggatgc 23700
tggagagggg acagtgtcta aggcagttgg agaaaaagga caatggctta tgcagtcagg 23760
cctagaagat gcaagggatg tcacagcata gtgtccacag gcatccctag atgtctttca 23820
ttttgtttca ggaagaatat tgacaaaggt agtgatggga gggttatttc aaggatgcta 23880
ttttcatgtg tccaagtaaa cttaagattc ctaagaactt tgacctctaa tgctttttaaa 23940
gaccgtgtac ctcatgccca tatgcacatt cagttagaaa ataaatgtag attctttggt 24000
gaattcgaag atgtgctcat ggagtggcac agcgtgatct cagtgtacac atgaagcatg 24060
ctgatgagag cttcttggat cttgtttctt caggtggact tgcattaaag tgctgttgaa 24120
tctctgcact gggagtggga gcagccatgc gatgggtgcc ttaatccgag tgccatcctg 24180
gctctctcca ggctgcttca tttgctgtga ggggtagggg gaggaggagt ttccaggcaa 24240
tggccttatc tgttctggtg gttgaccaag ggtcgggggt cccaaaggtg gagttccagg 24300
atgagagtgc acccttgggg atggtactta gaaagagtgg ggactaggcc tcagccaggg 24360
aatggtgggc cagggtggag ctcctttgta tcaaggagtt agggccaagg gccatgcagg 24420
tgggcctgca gaaggtgggt ggtgatatgg cctttctggt gataacagac tcgtggcact 24480
gttttcctgg ggctgttggg gttgcatgga gcagattctt actcaggctt actgtcttaa 24540
ggagggaaga atgctttttt atgaatacgc ataggtctgt ggggctgtgg agcctgggga 24600
atccgaggct ggcgtgggag tctgggggccc tctagcggtg gtggtgcatc ctcagctcag 24660
tgccactcac tgtccctatt tctctctgtc catttctctc ctcactgcag tgcttcctct 24720
ccttcctaga ttttttttctc taagtttgac tattcaccac cccagagact ctgttctatc 24780
ccatgacctc ttgctgtact ttctttcaaa tctaaatttt cttgattatt tttcttaatt 24840
tacagtttca agattagatc tgttgggagc attctgtgct ctacctcagc ccctggttga 24900
gctatggatt ggtgtccccc atggtgacgt ggtctggact cccttttgtg tgaagagctg 24960
tggcagggca gtgaggtttt gtggaactca gggagcatct ggcactatgt atgaggttgt 25020
gaggtgggag agagctctta aatctaccag ccttgttgat cttgggaact aggagagagt 25080
gctagggaag ccagtgccag caggcctgga gcctcatatt tctttggcat ttgtatgata 25140
ccttctagta cttcgttttt tgacttatat atgaactaac tcaatttaga tgcttagaaa 25200
ataaacggcc actggacctg caagagatta gtagtggtgt tccatagcct tagacatttc 25260
ttacacttttt atccacagat aagaaaaaaa tagtgatatt tgatttgttt tgccaaggct 25320
tagaaggatc taatatgtgt tactcgttga gcagcgggaa gcagcagaca tttctagggt 25380
ttctccctgt caccattcag gagacagtgc acacaatccc cttggctctt acctgaacac 25440
tgaccacagg tctgtcattg caggctggga gtcctccgtc agcatcagct ccggctccgg 25500
tgtcctcctt ctctcgcact tctatcacgc catccagcca ggacatctgc aggtaacact 25560
ctgcttcaga tgctgccatg atcagtgtgc agccagaaat aagcattagt gtctgtaggt 25620
tcttgaattt ccatttgctt aatcaatctg cctttggtct aaacagttgg cgagttttat 25680
gtgtggtttg ctcaccaagt tacccatgct agtctcattt cttcactatg atgtctattc 25740
tcttttaaaa ttgttttttac tttctgtgct tttatcccac tgttctgcat gcagttccag 25800
tgcagtgttt tctgagtgtt gtcaccacag ttccgtgcag tctgctgttg tctcgaaagc 25860
tcctcactgc cagagttctc tgacacaagg gctcactgtg acagttatct gtaaggacac 25920
attacaggcg tcaaagagaa attcctttgg ttcagaatgg gcccaggcct tgaagcctgc 25980
taagaatacc aaagccagaa gaacactaaa gttctcaagg tccctcaatg atgtgggtga 26040
gaaggcgcag gatacttcag aaagttttgc ctatgtggaa agaacttgtt ctgaagggaa 26100
attaatactc cctcaagata cgtgtctcag aactaacagg tttcatcata aagaaaaaag 26160
aaccctgaac cacaaacctc ttggcaattc caaacattct tgtgtttcat gcctttctgc 26220
cggtcgctca actgcctcag aggtggaagc tggcaagggg ggcaggcccg gcctgctgct 26280
ggaagagaag gcggatggtg aggccacgtc ccgaagccgg caactgctcc agtacctgtt 26340
ctcactctcg cacggcttga gcgccagcag cctgcacagg ttccatgagc tggagagctg 26400
cgctgctcgc ctgcacactg ccaagtcctc cagcgggctg gcagggagta tgggcttctg 26460
ctctgacgag atgggagacg acgatgtctt tgaggacagc acatctgcaa aactgaagag 26520
tagggttctg cgggcgcccc tctgctccac ggaaaaggac agcgacctgg attgtccttc 26580
```

```
tcccttctct gaaaaattac cccccatatc tcccgtgtcc acgtcagggg atgtctgcag 26640
gttggtttgc caggaagtgc cattctagcc atctctgctc gcatcaggaa cctcctcttg 26700
ctttagtatg tgaagtttca ggaaaatgaa gtaataggaa gttgtaacca gttgtgggtt 26760
gatggttttc tccagaagaa tggagtatca atatcgtttg aaaaacttaa tttttatgat 26820
gtgagtccca agatagtttt acaaatgata aaagaggaag aagctggctg ggcgcagtgg 26880
ctcacgcctg taatcccagc actttgggag gctgaggcgg gtggatcacc tgaggtcagg 26940
agtttgagac cagcttggcc aacgtggcga aaccccgtct ctactaaaaa tacaaaaatt 27000
agccgggcgt ggtggcgggc gcctgtaatc ccagctactc aggaggctga ggcaggagaa 27060
ttgcttgaac ccgggaggcg gaggttgcag tgagccaaga ttgcgccatt gcactccagc 27120
ctgggcaaca agagtgaaac tctgtctaaa aaaaaacaaa acaaaacaaa aaaaaaaaga 27180
ggaagaagct acacatatta aaggccaagc tgactcttct aaactaaaaa taagtagact 27240
ttgcataaag aaactggaag aaagaaacta gtatcttcag ttttccagcc tgatggtcca 27300
gattttaagc attgttgcat ctcccagcct ctttttaac ccttgctccc tacctacccc 27360
caaaaggtgt gtggggactg gctgttctcc agtagctcct tccttccttc tttttaactg 27420
aggtgtagcc acctatgtcc catcctaact ctgtttcccc cctttatctt cccttgtgca 27480
gcatccttgt ctggcctcca taattcactt tttgtcatga ctcttgtgcc ctcctcattc 27540
tgacctttct ccagtctccg ctccttagtg ccagctgtca tcatttctaa catttggatc 27600
agagatcccc tcactaaaac agcctgagag cctggctcct tccaggacga gtgccccaac 27660
ctgttctcta gctgctggaa aagaccctc tgtttcttaa aagcctgtta agttccttca 27720
ggctagtagc tacaccttgt tgcatacttc cttggaaata gagagtgctt tcaaattaat 27780
ttctcactta ttgctattag tggtcccaag aaaaagagat gaaattgcag catcttgtaa 27840
tggtgagttt tttaggtcta ggagagaggt actgtcatct ttgtttactt gctgagagac 27900
gacagaaatg tgtagttgtg gggtatgaag gtaaagtcag tgattatagc taaaaagcaa 27960
acgtcattta aggtcactgg tattttggga tgttggaatg cagcgcttac catccataca 28020
agaacccgct gggagggcca agaccatccc gtgcgcggcg ggaaccgcga catccgccac 28080
tcggatgccc gctggagcgg gcggagaccc acgcgcgcgc caatgtcccg gcgcgcgggc 28140
tgctcaccca gggcagcggc gtagtcgccg ggggcacaag cccgagccgc ccggggcggc 28200
gcgcggagaa ggagcgcaga ccccgtgaac acgccggagg accgtccgcg cggcccgtcg 28260
cgccactgcc tactgccagg ggcggcgggt gacgacaaaa ccctcggtgc gccgcgcctg 28320
gcagtccgcg gccccccgccc cccagcggc gcgcacccgg gggcgcgggc cgaacccggc 28380
aaggtgagag ggccgtggcg cccgggcgct gaccactatc attctccgcc acacggacga 28440
aggcaggagc accacgggcg gccggcgggc cgcccgctcg ggccaaagag cccgcccgcc 28500
agcggannnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 28560
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnngagg ccggcgagc 28620
gcaggcgggc ggagagcaga ccacgcggaa gaggccgaga gagaaagcgg ggcacccggc 28680
cggggggggtc atttacaagg gacgctgggc acgaaggagg ctggggcgaa gatgagtcca 28740
ggggttgggt tgagagcgct gcgcagccgg gctgagaaga gaagctgacg agtgactccc 28800
gacaagggac gggggagagg gaacctgggg gcaggcagag gcctagggg tgggctctga 28860
gggcagccac tcccaccggc cctcccccag ccccgcaggc cagccacatg ccccgtgctc 28920
cagacgaccc agctacatgg atggcagcgt cctgaagggg gatgatcggt agggagtggg 28980
tgcggaggct cacgcctgta atcccagtgt tcggggattc ccgagcggga ggatcgcttg 29040
agccggggag gtggaagctg cagtgatctg cgccactgaa ctcccgcctg ggcggcagag 29100
tgagaccctg tttcaaaagg caccaggggt gtagggaagg agcgatatcc cccaggcaag 29160
gaaggctgcg gaggggccag gccaggagag aagggccctg agctcagtgg acgggcaggg 29220
tgcctgtgga ggaagggagg gacgtagcag caggaggaag ggtgaggacc caggctgggg 29280
atcgggagaa gtgatggcgg aggaaagaga ggccggaaga ggaggggggcc tgctggcctg 29340
gcactggaaa gcaaagcgtg ggtttgtata tgggaagaag accacatccc ctcttatcgt 29400
catcccaact cagaaaccat ttggccccaa gtcaccaaag cactcatagg aaccactttt 29460
cctgtgacac aagtaggatt ctcccacttt taacttccca aatgctaccc gaaagcctct 29520
gaaatccttg gaaatttaaa aaataatccc cttctattaa ctgatgccta taaaacatat 29580
tgactttcat taaattttgt tatgaaatca gggatgtgtc ccattgtaaa ataaatttgt 29640
ttggaaaatg tagggtggta tcccatctaa aaatcagacg aggctagaaa atttcaattt 29700
tatttgctaa ggtagcatca tgttgttaaa aatgcatcat aaaataagac caagagttaa 29760
tacaaagcat gaagtcatgt ttccctcaaa aaaatgattt gttctgtagt caaattaatt 29820
tggaaaacat tgcaaactct tcagcagtgg ttctcaaagt atagcttgcg tcagaatccc 29880

ctggggccct tgctaaaatc tggatggcta cactccccgc ctagagtggg ttaaactcag 29940
```

```
tgcccactgg caggaaactg aaacttggct gaagtcaccg aggaggcctt ccccgttaaa 30000
cctctggctg gcgacagctt ggtttcctcg ccgctgcttc tgagtaattc tggcacgcag 30060
ttcctcctag ccacctgctg tacctggaag ggggccagcc ctcctcagca ggctttgctc 30120
ctgccctgca cagcacaact gtggcgtaaa aaatggaaaa gctggtagca gaaggaaaga 30180
gcagggagac agaggttagg tgaacctcaa tggcctcatt aaagcaaatt gagaaagaga 30240
gtttccttcc cagtgaggcg ggacagtgca gaaatgcggc ccgtcctggg agaagtaggg 30300
gcgagggggtg gggggctcac cggcacatg gccaacagct ggtgcccagc ctgggccaca 30360
gtttggcaca ggagaaagct gaagatgcag gagaaagcta ggtcactgcc cctaggccag 30420
gtgatcaagg tggctgttac ctgcctgtgt ggccttgaaa aagcctggtg ccctctctgg 30480
cttgcagggt ccttcttttt acaaaagcgg gtcttcgaag ccctgaatat tccagttatc 30540
tgtaaggata tagaaatatt ttgcctctag atgacatgta aatatgttcc tcctaactcc 30600
acttcttcct acatctgtgg cttcttctga gaactaccag acccaccctg ttttcagagt 30660
aaacctcctg ttttgaggtc aaacagaccc agctgggtaa ttggtgactc actcctggtt 30720
cctccaaaga acaggggcaa gggaccaccc gggacctcag gtgccccagc acaggacctc 30780
tttctggggc accctctggc actgggccat cttcaggccc tacagggctc tcggggcctg 30840
cgtaggcctc tcatctccca gaaataagtt cttttcccca cccagactga caccagatgc 30900
tacagtgagg tttacccctc cagcttgaca agcattccta gcccagaaca ctcagctgac 30960
gagggggtgct gggggaggaa ggaggcagca aggctgaaag aagcttctct gggtattcca 31020
gtgcctggct gctggtcgta gccatggtga gaccacagca gcctccctgg aagcaagcac 31080
ctgtgtaaaa gcccctcctt ccccacaagg ggctggatcc aagtgaagaa ggtaccagaa 31140
ggactggaag atgatgctgg tattattcga cagctccagg gtgctgtagc actgagcacc 31200
tactgtatgc agcccatcac aaagccagcc acactgccca ggctgtgcca tggcaacttc 31260
cagcagtaca ccctctcggt cacctgcagg ctccttgttc atcctgacac atgaggagaa 31320
aaagacagta ctcacaaagg cctctagcct tgtggcccca ggaccctctc ctgagcatca 31380
tggcctccta ggagacccag ggtagccagg acaaaggaga gaagcatttg ctaagctaag 31440
aaaggatgga aggggattgc tgttctgcct ggatgcaccc ctagacctgg cagggcaggc 31500
aggagagacc cccagtgtct cttgcttatc ctaggagttc cccctgtgg ttgctccagt 31560
ttgctgcctt catgcatgtt cacagggtga ttcccctgag acaacagagc tgggatgtca 31620
ccaagccctg tgtcccatca gccaggctct ccccagcctc catcctctca ttctgctgga 31680
tcaggaggat gtggggaggt ccctgactcc ccagctttcc ccatgacaag gtgtgtgtct 31740
acagctcaga cccagccatg ctccacctga gaagtgggtc caggcagagc actgggtcct 31800
ggccacctag ggctgcctcc tcaggggtgg gcaggaaggg gagccactgg aggagtgccc 31860
cgggcacagt cccctgcacc aggtgaggtc acctcttagt ccatgaggcg atgctgcatg 31920
agcccctctg gacactagaa ggcctgggct caatgctgag taaagtgcag gcatgactgt 31980
gccctcagca tgcatagggc agcaggcata gattcataca cgtgagtttg cacttaagct 32040
gcagtaagag ctacagagga aatgaacaga gacagcatca ctccagtgag ccctccagat 32100
acaccccatg tgcgcagtaa gagaatggca tagtctattg ggacagccac atcaaaatac 32160
cacagaccag atggcttaaa cggcagatat ttgtctctca caggtccgga ggctagaagt 32220
ccaagattag ggtgccagcc aatccacttg ctggtgaggg ccctcttccc agcttgcaga 32280
tgtctctgtg ttcccacagc atggtcacgt ggcagagaga gggggacagg gcatgaataa 32340
gccctcggtg ccttcctctt cttacgagga tgctaatccc atcacgggta ccccaccctc 32400
gtgacctcgt ctaaccctaa tcacctccca aaggccccat ctcctaatgc catcacactg 32460
ggggtcaggg cttcaacaca tgaatttggg gagcacaatt tagtccacag cagaaaagaa 32520
aggggcacag agcattccag cctgaaggaa acagatgtgc aaaggcccaa ggcaaaggcc 32580
tgagctctga ggggcaacca gagtcaaggc tgaagagtgg gcagtgattg agcactgacg 32640
gtggagaggc aacaggctat cttgttaatc tcagtctttt gtgtgccaga gagagaaact 32700
gaggcacagt gtgtcatggt gaacactggg cagcactccc acgctcctgt cctgcactct 32760
gcagggttat ggaggaagcc tgggaagtct ctccctctt ttccaccttt cctggaccca 32820
tcccacaccc tgcctcctcc aggaagccct ggggattgct catacactca catctcactc 32880
cttagtacct gcagcctgca ttctgaattt agcaagctct ggccttgggt ttctattttc 32940
ttgtcctgtg cagtgagcat ttggaaactt ctcctcagca ccaaacacgg agccatttag 33000
cagaaaatac atgagttttc aagtcaattg aactgttcat cgccccaaaa gccaggcaac 33060
acggtagagc agctggatct ctgttcgtag aagctttctc agggactggc ccaccgagtg 33120
ggggactgca agtgcccgat gagtgaatga atgaacacat gtgtgaatgg aattcaaggc 33180
actgcaggct attctggagg gtactggcct gtctcttcga caggtgaggt gcagtagaac 33240
agcatcccgt atagatgcca gtttctgacc tggttctgaa aagccagtca cctacctctg 33300
cagagctgcc tggagggggc ggggttgtg aggacccctg agagcttggt gtgaaggggc 33360
```

```
tctgcagagg gaggcatggc tagtgtgcgc aaggtgacct ctctcctggt ctgcaggatg 33420
gagaacctgt tcatcaaccg cttcatgcac atgttccagt cttcttggaa tgacttcgcc 33480
gactttgaga aaatctttgt caagatcagc aacactattt ctggtgagtg tgcctctggg 33540
ggcccaagtg gtgctgggga caggggatgc tgctctcctg tctgatactt gccgggaaat 33600
tgacaagggc cttcctgcct gctgcagcat gggggcctcg ctgccaccat gccaccctgg 33660
acagcacccc ctacactcca caccttttac catcactgtg gtcacccttg tgcccagagg 33720
tttctcctcc tcagatattc aagctcgagc accctcaacc tcatttcact atcaaaagtc 33780
tcaaaagtat cagaactttt tcttggcaca aatcaatcat ttgtgcttct gaacagagca 33840
aaggcagaac ttggcttgtg ttttaggtat ttacacaaaa gcaactttgg gttcctttgg 33900
actaggatgt gtttgatgag agcactagct tcatagtggc cagtcatggc atgggaagga 33960
cgttaggaag gcaggaatgg ctggacaaga agaggtgctg aaatcaggac atgggggaacc 34020
aaacttggca aactgccccc agggactctc ctccacgccc tccttcttcc atcctggaca 34080
ctccatgctg ggctgaagga cctgagtgct ccaggaggct tctgagccac gaagggccag 34140
ctcaggtatg atgagttggt gccacagcct gacccagtga tgggcagggg gcagcagttg 34200
gagctgtgcc catccaggga gcactcggga gaggagacca agcagggact ctgctcttag 34260
gtgaggtcag gagggccatg gccctggctg ccctctactc agagctcagg gtgggcctcg 34320
cttttctcct ggtagagcgg gtcatgaatc actggcagga agacctgatg tttggctacc 34380
agttcctgaa tggctgcaac cctgtgttga tccggcgctg cacagagctg cccgagaagc 34440
tcccggtgac cacggagatg gtagagtgca gcctggagcg gcagctcagc ttggagcagg 34500
aggtccaggt aggggttgat gggctgggga agtggccaag gtcacagtct gtcaggtgga 34560
agccagttcc tcctggccag tgctcatagg ccaccaagac gctaactgca ggcccatctg 34620
gcctacagca gccgcttcct tttcctggca gcagtgtcag ccagggtcct gggcattatg 34680
cagactgtct tgtgcaacat cagaggagga attgcgggga atgtttctcc atgatgctcg 34740
agtctgggaa cataatgtca atattttcac tatcagtatc aataattaca ggagctaccc 34800
ttgattaggg gcctgtggtg ggacaggcat tgtgacaggt gctttacaca caaggtcatc 34860
agttgtcacc caccttgcaa aggggagaac actggagaaa gaagcagacc ttgtgtgaca 34920
atacacaagg ggcacgagga gaacccaaca gaatggttga ttttctcgtt agaaatgctg 34980
ctgcccatgc tcctgtcgca ccctcctccc caccctcacc tgcagactca gctgcctccg 35040
gctgcaaggc tgacctagtc ttgagacaga agaagttcaa accaactcca cctggatctg 35100
gtggggctca gcaacaggcg ctggcccatc agcctgcctc ttccccatgg atccagcgtg 35160
atggggcctc ctgccaccca ggccctgctg cctatcccca ggtgtccagg tggcctctgc 35220
tgcttccagt cttttgagct cagcttaccc tgaggcccta gttggagagg gatggttggt 35280
gccctttaga gataaaccta cagccccagt acctggccca cctgaatcta gagggccacc 35340
cacccagctg aagtccctgg gcaagtctcc tgccccagtg caggcagtgt ttcctaacct 35400
cctcctcctc ctgcacccaa ccaggcccag aacacttcct ggtcatgtga acagctgaca 35460
gttacaatcc cccacacact gagagagcat ctgtgttcct gagtggactg aattgctaga 35520
tgtagtaaca ttgatttggt ggctataggt ttcaaacttc aagtcagaga tcatagaact 35580
ttaagccata tagaatccta gaattggaag actctgagca gccatctctg cacccagcag 35640
ccaaggagtg gccatcctca gcacctggca gggcatcagc ctcccactgg gagtcccggc 35700
cacctccagg gcacgtgggt tatgagtcac ctttcctttg agctgaccca cccctcactg 35760
actagactct aaaacacaca ctgccccgtc taatacacac cagcatgatt cttaatcccc 35820
acagtcattc acgctgccca tctggcagca ccttaatgat ctacagcaag cttgtggcct 35880
actaaaaacg cctccattgt tttttaaaat gtgcagttat tttccggatc atgaatagag 35940
aaattgtatc cctgttgttg gtattgattc agtgttccag ctcaagtttg agttcttaga 36000
ctttatattt ggattctttg gtttcaaatc acaaaaatca actccatctg gtttaatcca 36060
agaactctat tggctcaggc aacagtaaaa agcaatgcta actcatttgg gaccagggct 36120
cagatcatcc cctgcactgt ctctctctcg ctccatgtct caatcctctg cctctggtga 36180
ttttttcctt aggagggttt ccttatgtgg aggtaaaaaa tgatcaccgg cagcttcaga 36240
tttaccttcc accagcttag caaacaccac ccactcccag caagaaagac cctgtttccc 36300
aatgctccca gcagatgtct taggccatcc tcgggcctca ctgattctgt gagccagtgc 36360
ccacggccag gagaatggaa tacactgacc tagaggggac agggactcta gacaggcaaa 36420
aactccactg tcagaagcag aatcctaaaa tgtcagaact gaaaggtagg cccgcccctc 36480
gtttttccaga aatatgaaag ggaggcttgg gataacagag aaatgctgca ggcattggcc 36540
ccaaatctca ggcctcctat tcccagtatc accttcacca gcctgggtgg tctcaagatt 36600
ggattagcag ccattccttc tgggtagagt ctgatggtca cttcagctct caaagtccag 36660
ctatccagcc atagtcctag aaggcaagac atcactgtgc ccgaccaacc caagggtctc 36720
cacctgcccc cctcaacaca aggtgccctg agtgcctccg cggggatagt ccccgtcccc 36780
```

```
acccctgctt ccccgccca tcgcgacaga tgctcagagc tcatccctgg tgtcacacca 36840
cataaaggag gagggcggtg gccaggctcc gagctcctgc cgtcctgggt gggtggcttc 36900
tgtcctgcgt gccgccgggc agcccggggg tcctgcgcgc gggcgcggtc ggtggagctg 36960
cagggggggcg ctctgggatg tctccaggca gagtagatac tgacccctcc gcagccggga 37020
ccctcaccct ttccttcatc actcaggaaa cagaaaaggc ttcagaagga gcggccatgc 37080
ccccggccta agcgctgcgt tcccggccca gcaggcctac cctgcacctg gcgttcctag 37140
gggcccctct gcgggaccca ctgcgcggct cgcagcggcc gcccgcctcc cacttcaccg 37200
gcacgctcgt tgcgtgtcga ggtgtgttga ctcctacagc aaagggcacg gatccgcggg 37260
tcagcaagcc cgacgaattt acaccaatga cccgccgtgt cgccagtctc agaccagggc 37320
acaacacgcc aaccctgcag accaccccca cctccccagc cactgcagac ccttccccct 37380
ctgcttctgc agcacctgtc ccgaaacacg ctcattcccg ccccccgcaga ccttccctac 37440
ctcctggaga ccccctcaa cccctgtaga gtccctgcc cgtgcagaat cccctccccc 37500
ttcccccgca gccccctac cccacccggc ggacagcccc gctcgcttcc tgttcttctc 37560
ccaagggaga ccctgtcct ggctctgact ggggttgagt tcgccagttt tgacttatgt 37620
gtagagtctt caccacgggc tggaagtacg gtnnnnnnnn nnnnnnnnnn nnnnnnnnnn 37680
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 37740
nnnnnnnnnn nngagcgtac ttcagcccgg gtgaagattc cttacacctt atacaaaaat 37800
taattcaagt tggattaaag acttacatgt cagacctaaa accataaaat ccttagaaga 37860
aaacctaggc aataccattc aggacatagg catgggcaag gacttcatgt ctgaaacacc 37920
aaaagcaatg ggaacaaaag ccaaaataga caaatgggat ctaattaaac taaagagctt 37980
ctgcacagca aaagaaacta ccatcagagt gaacaggcaa cccacagaat gggagaaaat 38040
ttttgcacct actcatctga caaagggcta atatccagaa tctacaatga actcaaacaa 38100
atttacaagc aaaaaacaaa caaccccatc aaaaagtagg caaaggatat gaacagacac 38160
ttctcaaaag aagacattta tgcagccaaa aaacacatga aaaaatgctc atcatcactg 38220
gccatcagag aaatgcaaat caaaaccaca gtgagatgcc atctcacacc agttagaatg 38280
gcgatcatta aaagtcagg aaacaacagg tgctggagag gatgtggaga aataggaaca 38340
cttttacact gttggtggga ctgtaaacta gttcaaccat tgtggaagtc agtgtggcaa 38400
ttcctcaagg atctagaact agaaatacca tttgacccag caatcccatt actgggtata 38460
tacccaaagg actataaatc atgctgctat aaagacacat gcacacgtag gtttattgtg 38520
gcactattcc caagagcaaa gacttggaac caacccaaat ttccaacaat gatagactgg 38580
attaagaaaa tgtggcacat atacaccatg gaatactatg cagccataaa aaatgatgag 38640
ttcatgtcct ttgtagggac atggatgaag ctggaaacta tcattctcag caaactattg 38700
caaggacaaa aaaccaaaca cctcatgttc tcactcatag gtgggaattg aacaatgaga 38760
acacatggac acaggaaggg gaacatcaca cactgggcac tgttgtgggg tggggggctg 38820
ggggagggat agcattagga gatataccta atgctaaatg acgagttaat gggtgcagca 38880
caccaacatg gcacatgtat acatatgtaa ctgacctgca cgttgtgcac atgtacccta 38940
aaacttaaag tataataata aaaaaaaata aataaaaata aaaataaaa gaaaatgaag 39000
aaaatcatgt catttgcagc aacatggatt tggctagagg actttatcct aggcaaacaa 39060
atacagaaac agaaaatcaa ataccacata ttctcactca taggggggag gtaaacactg 39120
ggtactgatg gacataaaga tagcaacaat agacactggg gactattggg gtggtgaagg 39180
agggaaggga gaaagtgttg aaaaactgtt gagtactatt ctcagtatct gggtaatggg 39240
accattcata ccccaaacct caacatcaca caatataccc aggttacaaa cttgcacaag 39300
tgccctctga atctaaaata aaagttgaaa aagcaaaaat aaaacagtaa acaacaacaa 39360
caacaaaaca gcaaaaccct caataaatac ataaataaaa atataaataa atgtctttgc 39420
cagagctttt tgttttttgt gtggctttga gttagtatct ggggtcacgt tgctttttaag 39480
ctgtttgcta tcaactgcat cctatctaat atttcttttt cttaatagta aaccactcaa 39540
tttttgtgag gagatattac attgtggttt tgatttacat ttctctaatg atttcctttc 39600
cagtttggat gctgagcatt ttttcttatg tttttgccc attcatatat aatttttaaaa 39660
gaaatgtcta ttcaaatcct tttgccattt taaaatcata ttatttttaa atattgtgtt 39720
gtagaaatta tttatatatt ctggatatta actctttatc agatatataa tttactaata 39780
ttttcttcca tccacaagtt ttttttaaca ttgttatgtc ctttaatgca taaaagtttt 39840
aaaaagtttg atgtagtccc aattgtctat tttttctttt gttgtctgta cttttggtgt 39900
catattaaaa aataattgcc atatcccctt attctaagag ttttatagtt ttagatcttc 39960
catttaagtt ttaaatccat tttgagttaa ttcttgtata tggcataaga caaagtttca 40020
acttcactct ttcatgtgtg gatatccaag tttcccaaca ctgtttgttg aagagaatgt 40080
tcttccctca ttgagcggat ctggaatgct gtaaatatta tttgaccata tatgtggagt 40140
tttctttttaa tgggttcttt attctattcc attggtctat atgtctctct ttaagccagt 40200
```

```
gtcatgctgt tttaattact gtagtcttgt aacatgtttt gagatcacgg agcatgagac 40260
cttcaactca gttagttttc aagattgtct agtcagagta tatatgaata tttagataaa 40320
tttttctctt ttttcaaaaa atgcagctta gattttgata gggattacat ataatttgta 40380
gactgctttg ggttctattg acttttcaaa ttaatacata atgttgtaca gatttgggga 40440
atacatctga tattttggag atcttaacat taaatcttcc aatccatgaa taccaatgtc 40500
tttacattta tttgtgactt cttttcagtac tgttttgtag ttttcagtgt acaagccttt 40560
tatttccctg gctaagttta ttcctaagta ttttactatt tttgatggta ttgtaattaa 40620
attattttct taattacctt tggattgttt atagttaatt tatagaaagg caactgattt 40680
ttgtgtgtcg attttggatc ctgcaacttt ccagaatttg tttaatagtt ccaacagttt 40740
tctggatttt atgcatatat gcatctaaca gttttctaga ttttatgcag gagtctagga 40800
ttttatgcat ataggatcaa gtcatctgtg agcagagata attttacttt tttcttttat 40860
tctttggatg tcttttcttg cttaattttt ttttcctaat tggtctgctt ggaaattcaa 40920
atactatatt gaatagaagc gaagagacag agtatacttg tcttgttcct aatccagaag 40980
aaaagtttga atcttttacc attgagtgta agtttacctg tggattttc atatatggcc 41040
tttattatgt tattttcctt ctattcctag tttgctgagt gttttcgtga taaaaggtgt 41100
taaatttgt taaacatttt ttctacatca atataaatga tcatgctgtt ttgtcctttta 41160
ttctattact atagtgtatt acattgattt ttgcatgttg tattattctt ttttttttgag 41220
atgaaatctc attctgtcat tctggctgga gtgcagtggc atgacctcag ctcactgcaa 41280
catttgcctc ctgggttcaa gggattctcc tgtctcagcc tcccaaagtg ctgggattac 41340
aggcatgagc cagcacaccc tgccacatgt tctatcattc ttgcattcca ggaataaagc 41400
caacctgatc atcacaaata ttggtctgta gtttttctttt catgtaatgt ctttgtttga 41460
ctttgaaatc agggtaatac tggcctcata taatgagctt tgaagtgttt tttatattca 41520
tttttgtaaa tgactttgag aaacattggt tctaattctt ccttaaatgt ttggtagtca 41580
tccggttctg ggctgttgtt tgtttggagg tttttgaacc agtttaatct ccttcgtagt 41640
tataagtctg ttcgttttttt ctacttcttc atgattcact cttattaggt tgtatatttc 41700
tagaaattta tgcacttcta aattatccaa tttgttgaca tataattaac tgttgatggt 41760
attttcttat aatccttttg atttctatgg catgggttct aatgttctct tttttatttc 41820
tgatttatta gttgaatctt ttttccttag ttaatctagc taagcatttg ttaattttgt 41880
tggtgttttc aaaaaccacc tcttagtttt gttgattttt ttctattgtt tttatattct 41940
atatttcatt tatctctgat ttaatctaat ctttaggatt ttcctccttc tgctagcttt 42000
gggtgtagtt tttttttctct cctagtttcc tgaggtataa agttaggttg ttgatttgca 42060
aactttcttc tacttctttt ttttttttttc ttaagttgtg gagatgggggt cttgctttgt 42120
tgcccaggct ggtctcaaat tcctggcctc cagaagttct cctccctcag cctgtcaaag 42180
tgctgggatt gcaggcatga cccaccatgc ctagccactt tcttcctttt ataatgcaca 42240
tatttatagc tataaaattc tctgttagca ctgcttctgc tgcatcttac acattttggt 42300
acattgtatt tttattttcc tttatctcaa gatattttct aacttcccttt gtgatttctt 42360
ttttgaccca ttgcttgttg aaaactgtgt tgtttaattt tcacatattt gtgaattttt 42420
tgttttccttt ctgctactga tgtctagttt tatgtcattt tcatcaaaat agatattttg 42480
tataatttca atcttttaaa atttgttaca agtttttttg tggtataaca tgtgatttat 42540
ctttgggaat attccatgta aacttgagaa aaatactatt ctgattttat tgggtggaat 42600
gttctgcaca tgtttgttag cactatttat agtgttgttc aagtactgta tttccttatc 42660
gattttctgt cttgttgttc tagccattat tgtaagtgag gaattgaagt cgcctaccat 42720
tattatgctg tttatgtttc ctctctgatc tgtcaatgtt tgcttcagat atttaggagc 42780
tctggtatta gaggtatata tatttgtaat tgttatatct ttctgctgaa ttgacttttt 42840
gttatataat atccattttt ttgtcttgtg actattttg actttaagtc tattttgttg 42900
gatagtagta tagtcacttc tgcttgcttt tatttaccat ttgcatggca tttacttttc 42960
ctttttttca ttttaagcat atttgtttct tagacctaaa tgacaggata aagttggatc 43020
ctttttacaa atccattttc cagtctatat cttttgattc aggagtttaa tccatttaca 43080
tttaaagtaa ttactgatag ggaaggacct acacttgcca ttttgttgtt tcctgtatgt 43140
tttgtaaatt ttgttttttta ttccttctct tactgacctc ttttgggttt tgtcgatttt 43200
tttttgtggt gacatttttga ttcccttcct gtttcctttt gtgtgtattc tatagatttt 43260
tttatggtta ccataagaat tataaaaaac atcttaaagt gttaacaagc tattttaaac 43320
tgttaagaga ataacttcga ctgtgtacaa aaactatttc ttcaaagctc ctaccctcac 43380
cttaggttac ttatgtcaca agttacatct tcatatgtaa tgtattcatt aacacagttt 43440
tatagttatt tttaagcttt tgtcttgtaa attctataca agaattaaaa gtgcatttat 43500
gtaccaaaac tgcatagtac agtctctata tatgtccata tatttatctt tactggagag 43560
ctttatattt tcataagact tcatgttact atttagcatc cttttgtttc aacttgcaag 43620
```

```
atactacagc aggtccagtg gtaatgaact ccccagtttt tgttcatcct ggaaaggctg 43680
attttttcctt tatgtttgaa ggatggtttt gctggatata atatttttgg ttgaaatttt 43740
cttttctttc agctctttga atatattatc cccctgcctt ctggcctgca aggtttctgt 43800
tgataaatcc actgataatt ttataaaggc ttcctttttac atgacaagtt actttctttt 43860
gctgctttca agattgtctc tttgtctttg acttttgaga gtttgattat agtgtgtctc 43920
actgtgagtc tctgggtttt ctttaacatt ttttttttgt tcatatcttc tgatgatgaa 43980
ttcctttaac ttttatattt gtgaaatgtt ttttcttcat tttcagaagg tattttttagt 44040
gagtgtaaaa ttctacattg acagtttttt tctttcagta ctgtttagtg tttctctact 44100
gtcttcttgc ttgtactgat tgtatagaaa ctctgctgta attcttatct ttgtgtcttt 44160
gtacttaatg tgccttttta ctctgcctgt ttttaagatt ttattttttat tattgatttt 44220
gatcatgtgg cttggtgtga gtttcttcat atttattgtg cttggggttc attgagctta 44280
ttaagtctgt aggtttatat ttttcattac atttagaaaa attgtagcca ttattcattc 44340
aaattttttt ctgttcttct cccatttctc atgcccttat ggggtctaat tatatgtata 44400
ttaggctatt tgaggttgtc ttacagctca cttacagttc ttatgtttat ttttccactt 44460
ctatttcatt tgggcaggtt tattatactt ttccctaatt tgctaatttt tttgcaatgt 44520
ctaatccact gttaatctca tccaatgtat tattaatttc agacattgta gtttttcatct 44580
ctagaaattg ttcatctttt tatatcttct ttgtctctat ttgatatgct aagtcttttc 44640
tctagcttct tgagcatatg aaatatagtt atgacaacta ttttatttta ttacaacttt 44700
taccttaggt tcagaggtac atgtgcaggt ttgttatgta ggtaaactcg tgtcacagga 44760
gtttgtttat tatttcatca ctcaggtact aagcctagta cccaatagtt gtttttctgt 44820
tcctctccct tctcctaccc tccaacttca agtaggcccc agtgtttatt gttcctctct 44880
ttgtatcact actattttaa tgtctctact agttctctta tttttgtcat ttctgagttg 44940
attttatttt tctcactatg gccatattct cctacttctt tgaatatctg gtatgcaaat 45000
tatacctagt atggatatta tatcaagacc ctgtcgcaat atggatacct aaaagaaaat 45060
aacaatgttt accagtttgc tctaagcctt tcttagctct tttgcttgtt tctcaagaac 45120
aagcacagag ggtggagctc aaccaagact gaagttaaag atgtagaaag attgagatgg 45180
gaagtaatta agttgaggag ctctgataca atggtatttc tcttttttaat catgtaagat 45240
gcaagcccaa gataatatgt tgggaaagtt gaaggcgaat gtcttgagaa atatgaaatg 45300
cacccaaggc tatggctggg tgatagaaat aactaaaaag ttttaaaagg attgttttat 45360
agctggtcct tgctgaggtt aggggatagg cctggaaaaa ttgagcagtg gtattgccca 45420
ggcaggactc ctcatgacat tctccagatc cctaagtttt tccaagtttc caagcatttc 45480
cttggccagc aagtcatctc gcagcacaga tcctactctc tttcagtcag tcattccaca 45540
actctacaaa gcatttttct ccatcaaatg ggaactttg gggttctgca taatttttca 45600
gggttccacc actttgact ctttctggat accttgtaag gatattataa ctctttaatt 45660
catgtccttg attttctctt ttaactttta atactgttca ttgcctgttt acctctttca 45720
ccctcttctt ttcacttccg ccctctttct tgtgtaagta tataatcatc cttttttct 45780
tcctcgaatc tcagttctcg ggagtaacat atacaattca ttcttacttc cagtctttta 45840
ttcctaagtt ccttatctct agttctcttg catatttgtg gcaattatta gttttttttcc 45900
aaaaatccat tctcccttttt tcctgtacat gtatctttcc agcttgacca catttcccag 45960
cttccctggc agctaggtga agcaatgtaa ctaaactttt gcctgtaaaa tatgagcaga 46020
agttatgtgc acaatatctg cctcacttgc ttaaaataaa ttgtattatt tgagctttct 46080
atattgtccc ttttttacaac taaaatgtag aggttatggc aactttttatg gtaaagagaa 46140
tcatcacgta ggagatcaag aatcattgat ttgagaggaa cctaaatcct ttaatgactt 46200
agtggagcaa gactgcccca tcagtctgga agctacccca caacttatgt atatcttcag 46260
attgttgagc aaaagagaaa aaatgaagcc actatatatt taggtctctt catgttaaca 46320
gtttagcttt taacctaaca cacatttatt cctgaatggt agcatattat taacatcaca 46380
ggaagggaat tccttgttca tggatctttt attttgttga aataaaggta atctgcttgg 46440
gcttaatact gccaaggcag aattttttgg aataattatt tctatagatg acccattcat 46500
aatgacaact aacatggttt ctaaaatgga ttcatgtacg tcatcttatt tagtccccgc 46560
aaaaattctg aaggtaggta taattattcc cattctatat attgaaaaat tgggattcag 46620
agagactacg gacttataca agtttctgca gctatttaag aaacagagta aagtctcaaa 46680
gccattaatg aactgtttag tttagtgctg cttagtaaaa ttagaactgt ttgaagtgcg 46740
ttttaatagt aaacccatcg atatttagtc agctctctgc ttgctaacta atatggaaga 46800
aaaaacatac atctacgtac atcctgaatt gggagaaggg aaataaaata ttgccaatcc 46860
cctttcctgt attaggtact gtgataaggc gataaggctt ttcattatta taaatgagtc 46920
ctggagaggt taagcgcagt cacccaaagt cacatgacca gtaactttca gagattttac 46980
cccaggtctg gaaagactct gaagcccatg ttattgcctc cagagcctgg tggagaaccc 47040
```

```
ctgaatggga cagagactca gcagacagag tggtcctttc cttccaggga gtcagggaag 47100
gtttggtagg ggagatagag ttagatctgg gtgggatttg gatgaaatga gatcaagcag 47160
ggataaataa gatccaagct gtttatgagg gacagggaga ggccagctct gttagaaaga 47220
gtggtttata cagagaagca tggaaacatt tgctccatgc ctcgccttcc atggatagca 47280
gtccagaaat gctacttgcc tgcctgacag tctttctcca gtccccaggt gtggacacgt 47340
tctgagcacc tgagcctggg tctgccctga cccagattct gtgagctggg acagagaatg 47400
tgtcctgctg tccctcctcc cccacttggg cccacaccct tttctacaca tttggattag 47460
aaatctgaat tggcctttct gtgaacccca atgacaggca agtccccagt aaagaagcac 47520
ttaatttaat tgctccttca gggtccactt agagtaatag ttgtgaacag ctctccctag 47580
tgtctcccac aggcagtgac aaatgttgct aaagataagt cacaaattct tggcaaggcc 47640
atcttaaata tgggaaggaa accttgttca gtcctgaaca gtcctgttca gactgatctt 47700
atcacaggtt gcacactgcc tcaatgtcac catgtttcta ccctcagttg tgcttggcag 47760
agagaggaca gctatacata aagtctgttc actctacaaa ggtgaaatca tttttttttaa 47820
ggtaattatg attgttctga ggatggtgat tgagtgacat ttaaaaaatg ggaaaagttc 47880
tactcataac tctgtctgct taatttgctt atataaaaga cttaatggtt tttgttgagt 47940
tgatccagag tcagtaacat ttgaatatgt gttattacca tttgatcagt aacaaaacaa 48000
cagggtaagt gggatgccaa atgtggctga gagtttaggg tttacattcc acaccccagc 48060
cttaaatacg tttgtataaa ttattggttg attttttcttt ttcatggctt ttctttgaca 48120
tttgatgggg ctggatttat ggaggcaacc aacaaattac acagcaatga attctggact 48180
gtagtcccac agccttgagc ctagatacta gctgtgtcac taatactctg tgtgaccagg 48240
gtaagttatt tagatacatt tatgactttc caaatcaata ggttggacaa agttatcttc 48300
aaaatgtctt tcagatttga ccctgaacat atgcgattct ggcatgttct gattttttagt 48360
tttctgttct tgaagcatgt ctacaataga aatgcctacc ttcatataca ataaaaggac 48420
attagattaa tatggtgtct gtgaaaatca ttgaacagct ttagagataa aaataatgaa 48480
atgagtcaag ttctccatta ttaattaaat ctttttaaatt ttctgtttat gaaactatga 48540
acaataaatt ggaacaaaga tataatctca ctacaagtaa attgtatttt atgtaaaata 48600
taatttgtct ttagaaaata ctcaatgaaa ttaccttttt aatttcagag attttgagga 48660
ctattattgt tatttctttta aagtgataaa tgtaatccaa gatgcctttt ttcccccttc 48720
agaagcttga gtgcccaagg gtttgataaa tgtggaaaat aaccgctgtt cgaatatcct 48780
gttggcctgc tggtgagatg tcatcgtgtt gtctgaatgc agtatgtgtt taaacttgcc 48840
atttattacc tgaaattgtg ttattttgcc tcataccctt agtaatactc ttgtaatgct 48900
ggctgagaat tgaagcaaat gccctatgaa actcaaggga gcaaggtctt tgttattttt 48960
cagaagaaat gactggctga ggctgtaaag aaatcttgtg gtcattctca tggaaagagg 49020
attggagccc cgattctttg atctcattat tgaccagttg attgagaaga ctgtcctcct 49080
gtccccaccc aatcacaata agtgggtaat tacctgaggg ctaatttgct ccttgaatgt 49140
gaatacattt gtggaaattt ccttgtgctc agcacctgtt caaaacatcc atttgtattg 49200
cagagctatt gtttttctaa tctcattgtg gagctaagag agagattgtg tttaaggttt 49260
ccttcgtaat aggttttctt gctccaggaa ggatgcgtga cagactctgc acactgctgc 49320
ttggtaggtg ttcagtgatg gatgcgtttt ccatctccca ggtacagctg cagctgtgct 49380
gactctggtg cgtttgtaat atgcactgtg gagtgcacca tgatttcatg atggctggag 49440
aaatctggtg gctagaattc tagggaggag gacatgagtc ggaagtgcag aaacctcaca 49500
ctgggacatt gatggagaaa atccaattct gtccctggag ttaaagagga gtcactcact 49560
gggccatcat aagagcaaat aaagttacag ttatttcttc agatccacaa ctcaaactca 49620
gcgaaagtaa ttattcactc tttttgtccc aaacaataat gaaatcagct aaagcatatt 49680
gtatttatta cttccactca agttattgag ctgttctgac accttgttgc tgggaagata 49740
cacagatgga acaccatcat ttccattgat tctgatcata ccccacgcta atatagcctt 49800
attgctctga gtcataggga tttttatgctt gcctattcaa aaaacagttt ttaccttatt 49860
aaaaggtgat atgacctgag ctggagatga tgtttggtca ttttgtgtaa acctttttaat 49920
attttagtgg taaatacatt tcttgaatct tgacaaaaac ataattaaaa tgaacatatt 49980
taaaatggac atcttccaaa tgttcatttt taaaacaaac atcttccaaa tgttcatttt 50040
taaaatgaat atcttcgtta actttttttt ttttttttga gacggagtct cgctctgtca 50100
cccaggctgg agtgcagtgg cgcgatctcg gctcactgca agctccgcct cccgggttca 50160
cgccattctc ctgcctcagc ctccagagta gctaggacta caggcgcccg ccaccacgcc 50220
cggctaattt ttgtattttt agtagagacg gggtttcacc gtgttagcca ggaaggtctc 50280
gatctcctga ccttctgatc caccctccac ggcctcccaa agtgctggga ttacaggcgt 50340
gagtcaccac gcccagcctc ttccttaact tttaatgaat aaaagagttga aagggaaaaa 50400
ccaaatgtgc actatgctga ttttatcttg agctgtacag aatgtgcagt aacttaagaa 50460
```

```
tataagtcat tctgctgtta ttcatactag cctattcttt agcattattt aaacacacat 50520
atttgagtgt ctacacactg cctgctaggc aggggggctgg gtgccaagaa gggatgtcca 50580
gagataaacg ggcatatgtg ttaatctttt agggcacagt ccagtaacct gatcaaggag 50640
tgacgtgtat tgtgtactag gatagaagtc agtatcagag gaaacacaaa ggaaagagtg 50700
gtactttctc cccagggaag ggatgctcag aaagaggggg ctgattatgt ccctggttca 50760
tgagaaaaag ggcattcctg gctcagggag tgggaagaac aaaaccaaga aatcctggaa 50820
tggcttggtg catcagccag tctgtgagtg cagggcatgg ctggagttct ggctttaaga 50880
tgagtgggaa gaaaggctgg agaggaggtg gatccaggaa aagttgctgg gagcatttat 50940
tcttttggca atgggaagcc atggaagaac tgttgtaagg aggattctgt gtgatacatc 51000
tgccttttag agaggtcatt ttatagaaaa agtagaaaat acagaccagc aaaaatttaa 51060
aaagtgaaaa caatcactgt tcaagctctg gtctagcact caccagtgtt tttcctacag 51120
gtgcatatac aaacatgctt ttacatttta tttttatttt aaattttcca ctatcctcaa 51180
tatcagtgga aacaaatctg ctttttttaat ttttttttta aaaatgagat cctattgtac 51240
acattatttt aaatttttttt tcattctttc ctttttttaa aattaaaaca attttttttg 51300
agacagtctc actctgtcgc ccaggctaga gtgcagcatc gtggtctcag ctcaccgaaa 51360
ccttgcctcc caggttcaag cgattctcct gcctcagcct tccaagtagc tgggattaca 51420
gacatccacc accaccgtgt caggttaatt tttgtatttt tagtagagaa tggggtttca 51480
ccattttgga caggctggtc ttnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 51540
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 51600
nnagcgtatt cgcccgtggt gaagatcgta gtagagtcta ccacctcggc cgtgaacctg 51660
gctcagggggg cgcagccggg gtgggcgacc cagccaggtc tgcggagcgg tgcccggcgg 51720
caaccccctc acggacgctg ggactccccc accccgtccc cattcagcgc tagcggtgga 51780
ggggccaggc ccgccccagg tagtcaggca ggggtcccgg ctcctccccc aggaccaccg 51840
ccccgcgggc gctcacgtcc tgatggcttc ccacaccagg agcccgtcgt cccggtagaa 51900
gtagtagggg atgtcttctt tgctctccat gccccgggcc ttgatggcct cgggaaagca 51960
cagggaggca taggtcaggt ccttcatggc cctctgcacc atctgcacgt gcccaccgcc 52020
ccctgtggcg ttggcctgga gtgggaggta gagtgccctg agcgggtggc tcctcccaca 52080
gctgtccaga cccatccctg aggaaatgtg ccaggggagg cgaggaggcc aggcaggcag 52140
aggtgcaagc ccttgtcctg tgagatgggg gagggatgtt taacgcagag aatgacaagg 52200
gcagccgggt ggagaggtgc tagggaggag cctcccgccc aatccaatgc aagggactga 52260
accgtggggc tgcagagtac aagagggaag ggtgcgctcc cagccacagg agggcagcag 52320
gcgtgggcag gtgtgtgggg gaccccagca ccagcgggcc tgggctgtga agtctgctct 52380
agtgctgagc acacgaccct cagtcattgc tctcagtgac cctcagtttc caggacccat 52440
gcaactctgt tgagggcctg ttgtgtgctc aggtgagggc tggagagacc cacaaggagg 52500
gatcctggtc ctgatcccga tcccggcttc tgagtgatgc agacacactc acaagctcac 52560
tggcacatat gtgtgtccac gtgcacacac acacatgcaa atacacccag ggggctgggc 52620
tgtcggtgcc acagaggttt tgaagaagga cttgggtgct ggggtgccag agattggtcc 52680
acggtgggca ttcagcccaa gcaggaccaa ccagagctgc cccccagcac tttctgttta 52740
gatgcggctg ggagataatg gccacatgag aacctgaggt ggagctacta tgatgagctc 52800
ctgtgccctc tcccatgggg gcctgtctgc agcaggagag tgtgatgcca acacaggtga 52860
aagagacaga aagagggagc cagtgtgcat gcaccctggg gcattgcttg agtccctgga 52920
tccatttctg gctgaggccc ccgaccctct attgtgtcca ggtatttgag ataaggcatg 52980
tcttgtccag ctgcagctgg tttgagttgg gtttttgtcat ttgcagccca aacagtgtct 53040
caacttcagt ggtcatctgg cctggtcact aatgggctgg ggaaaggagg aaggttgggg 53100
caagggccca tgtgagagtc caagcttggt aaggctacag agggctcaaa acgaggtggg 53160
gtgctacctg agggatgcga gggctgggca gggcctggag tccccgatgc aggagacagt 53220
gggttgggag ggttgggacc cgggaagcag agtgctgggg aggtccaggt cagggtggca 53280
ggggtgtggc agattaagag gcagacacag gttcctggtg cgtaggaggt cagggggcca 53340
taaggagtgt gttccagagg ggggtctaca cccaggtccc agaggctggg agaggggagg 53400
ggtgggagga ggggaccagg agccatcagt gagaaggaag acctggtggt gcgcctggag 53460
gagtgctcct ggctgaatgg cacgggctgg agacatcagg aggatgctgg agccagtgct 53520
ctgagcagac tccagccttc acccttccag gcctcctgaa agggtgtcta gatctcagat 53580
agggagtgaa ggcggccagg ctgggctctt ccaggcaaca agtagggtag gagggcaccc 53640
accttgtcaa agaggccaca ctcgcagatg agctgctcac gggccttggt gttgattgca 53700
atggtgaatc tcacgtgtgc caccagcagc tggggagggg agaggaggag gcctcagagg 53760
gggcccagtc aggtgacctg gtgcctcagg gacccgcagc tcccccaccc aggcctgccc 53820
tataggatga tgctgggcgc agggaggaag tgaaggctgg gtgctgatct ttctgctgaa 53880
```

```
taagtgctgg aggcctgcac ccctctgatg cttactaagc atgataatga ttcagagggt 53940
cctggccagc acttgtacaa tgcttacctc tttgctccct gagttcactg tcttaatctg 54000
accatcattc tgtaaggcag ctgtactatt tgacctgttt tactggtgag gaaactgagg 54060
cacatgggta cttttagcat gcagtcaccc cagcagccaa tgcttgtagg attcgagaac 54120
agggacggag agtgatggca ggggcggcca tcagcatcag ccgaggatca ccatgaactc 54180
atttgccttt tccaactcta ctggctggcc agcgaggccc gtgtgtcagg cccatgcccc 54240
agccgcgtgt cctggggaac agcaggctcc tagctgtttt cttcctttag gggcattact 54300
gactctgaga acatctctcc agggctccct ttctgccacc cactcccagc cacaggtccc 54360
cctgtgggat gtcagtgatc cctcccactc cacatctcag atgccctccc atagcaggtg 54420
gggcggtagc tggctgtacc ttgaaaatgg ggtgcacagc aggcagctgg cggtacattg 54480
caatgccaaa aacctcagac accagatgtg ttcgcagaag gtgggtgatg gtctggtgga 54540
cgtggaagtc actggaacgc acccagattt tggccaaaag ccagtcgtat tttgcatccg 54600
aagggaggaa aatagggttc tcatctcccg ggatttggtt gagctgatac attgggggaa 54660
aggaaacaca ctgctatatt tcacttcaga gtatagttgt tggagaactt cgcctcttgg 54720
gaagttccag aagtatctga atttctttaa cagtgacttt ggaatcagaa gagcctggag 54780
ggggtaaagg gccctgcggt ggtatttcct gtcccagcca tattacttac aacctgcatg 54840
actctggatg acacactggg ctttctaagc tccggcttca gcatctgtca tgtggggaca 54900
gtgatcgctc ggctcacagt tactcaggag ctggcagcat ggaaggagcg ggcaggccga 54960
aggcccagca gcggaggggg aggatcgctg tccccctctt ccctccttgc cctgctccct 55020
cttctactgc ctctccttgg tctctcatac tttcctccct ctcctcttcc ctgaaatgct 55080
ggagctcccc agggtctgcc atggtgctcc tgtcttcttt tcttgcccta agtcagctcc 55140
tcctgtttaa aggcttgggg ccctcctggt actgagcctc ccagatcagg gtctgcagct 55200
tgagctctgc ctggagccca cacctgtggc caggcacctc ctgtagcaga ggctggacct 55260
gtcttccctt tccagtttcc actccacact gggacaaggt gagttttttt cttttccaaa 55320
atgcaaatca tgtcatgtta actgcctcct caatcacctc ttaatgccag aaaataaaat 55380
ccccaagctc tgtggtgacc tggttgctga tgcctctgta cacacagcct cactttcgtg 55440
cccccacacc agcacccagc cccaggtccc tccatgccag cagccctgca cgttgccccc 55500
ttattgagag cccagcacag cctcagcacc cgacagtgag ttctcacggg agccggcagc 55560
aggtgctggc attgcccatt tttacatgaa gacatggggt attggagggg ttgacagaaa 55620
gaatgaggtg ggtggcaggg ctgcagccaa gagcggccag gaaggggcat ggccagactt 55680
taggtgctgg gaaagaccag tgtcactgca gcacagtggt catggctggg gaggagaac 55740
tgtcccagag cacacagctg tgtcacttgc tataagtatt gtggaaggtg gggtccttgg 55800
gcgtctctcc ctcgaaaaca gtgctgtcca atagacatat aatgctaccc cacacatgga 55860
attgtatata ttcaggaagc catattaata aaaataaaag gaaacaggtg aaatgccggt 55920
gaataatata attttatttt acccaatata tccagaatat tatcacttca acatgaaacc 55980
aatctaaaac tattaaatga gatatttcac attccccacc tccttattct aagtcttaaa 56040
aatcaggtgt gaactttgca cttgcagcag gtttttggttt ggacgagcca aatcccaagt 56100
gctccagagc cctggtggcc agtggctcca ccctggtcag agagacccca gaagcctcag 56160
cactccctga ggaccaagga gggggagggg aggagggaga gcagagtgtg acttgcacat 56220
taggcgtgcc tgtctgttta tacttgagat tagttggctg ctttttaaata ccagacagtt 56280
tcacataaaa atttgaatga cctggttttc ttgaaaaatt agaaggtctc agaactctgc 56340
acccaggttc tcacagaact acgctcttgt cccttttaca gagtcccagc tctcagggtc 56400
cccactgcca cacccgtttg catgagatgc ctgggccact gatacctgat ctgtgcccta 56460
gaatgctggg ctgcctggca tgctctgaga cactttctga catgtcccca catgctctga 56520
catgttcctg atggctctgg gacactgaca tgttcctgat ggctctggga cactgacatg 56580
ttcctgacat cctctggggc cgaggagccc ccctgttgtg tgctaggggc tttacccatg 56640
ctatctcact taatcctcac tttgaccctg caaggcagat attccttgct gtacccattt 56700
tacatggggg gaaactgagg ctccagctgg tttagcagct ctcccaagtc acacagtagg 56760
taaagagctc agccggcaac atgatattga acaggcaaaa attggaagca atcccctaa 56820
aaactggaac aagacaagga tgtccactct caccctcct attcaataga gtactggaag 56880
tcctagtcag agcaattagg caagagaaag aaataaaagg gatccaaatg aaaaaaaaaa 56940
aaagaggaag tcaaattatc tttgttcatc catgatatga ttctatacct agaaaccct 57000
gaagattcct ccaaaagact cctagacttg ataaacaact tcagtaaagt ctcaatgtta 57060
taagtaaaat gcttgtttag aaacagaatg cttgttcctc ggtactgcaa ggaaaaatca 57120
gcatttagac aaaaagtttt tttagcaagc caattttact ttctgcagaa agggtgctcc 57180
tcgcagatgg aacaatggcg agagcacacc tgaataatgg agagaagcaa tttttattcc 57240
ttacgcagct tgtccctgct accgtgtcct gtctccattg gctggagcca aacctcacag 57300
```

```
tctaaactaa aacccgactg gctaataact taaaacttt ctaaataggt aaaagcagtg 57360
gaaagacaaa ggaaaagagg aagttgctta tgaaaggact tagaaaagta ataacatttc 57420
caaataagga aggggcatgg gctgcaagct gggacatgcc tgtgagcacg tccagcacaa 57480
atatcttggt taaagtacaa ggacatagaa tgtactcatt cccttatatc taacagctac 57540
atatgatagg gcttaacaaa aagttattag cacaaagcga aaaggcttaa aaaaagttag 57600
tctttagaaa aaactattat ttctaacaca taatttactc cttaacaaaa aaaaaacttt 57660
tgactttcta cactcaagat acaaaatcag tgtacaaaaa tcagtagcat ttctttttat 57720
ttgagacgga gtctcactat cacccaggct ggagtgcagt ggtgtgatcg cagctcactg 57780
caacctccgc ctcccaggtt caagcaattc tcctgcctca gcctcccaag tagctgggat 57840
tacaggcagg tgttaccaca cctggctaat ttttgtattt ttaattgaga cggggtttca 57900
ccatgttggt caggctggtc tcaaactcct gacctcaggt gatctgccca cctcggcctc 57960
ccaaagtgct gggattacag gcgtgagcca ctgtgcctgg cctaaaaatc agtagcattt 58020
ctatgcacca acaatgttca ggttcaggct gagaaccata tcaggaacgt ggtgatctca 58080
gttacaatag tcccccatac acaaaataaa ataccaaaga atgtatccag ccaaggaggt 58140
gaaagagctc tacagagaga actataaaac actgatgaaa gaaatcatag atgacacaaa 58200
aaaatggaaa aacatcccag ctaatgggtt ggaagaaagc aatctacaga tacaacacaa 58260
ttcctatcaa attatcaaca tcatttttca cagaattaga aaaaaaaatc ctaaaattca 58320
tatggaacca aaaaatagcc gaatagccaa agcaatccta ggcaaaaata caaagctgga 58380
ggcatcacat tacctgactt caaactatac tacaagacta cagtaacaaa aacagcatgg 58440
tatactggta caaaaatagg cacagagatc aatggaacag aacagagaac ccagaaataa 58500
agccatatac ctgcaaccaa ctgattttg acaaaatcaa caaaaataaa caataaggaa 58560
aggacatcct attcaataaa tagtgttgga aaaactggct acctatatgc agaagaatga 58620
cgctgggccc ctacctctca ccatatacaa aaattacctc tagatggatt acagacttaa 58680
atgtaagact tcaaacttta aacattctag aagaaaacct aggaaaaaat cttatggaca 58740
tttcctaggc aaagaattta tgactagacc tcaaaggcat atgcaacaaa aacaaaaatt 58800
gacaaatgag acttaatcaa attaaagagc ttctgcacag caaaacaaac tatcaacaaa 58860
gtaaacagac aacctacaga atgagagaaa atatttgcaa ctatgcatcc acaaacgact 58920
aatacccaga atctatgagg aacttaagaa aaaacaccac cattaaaaag tgggcaaagg 58980
acaggaacag acacttctca aaagaagaca tacaagtggc caacaaacat atgaaaaaat 59040
gcccaacatc actaatcatc agagaaatgc aaattaaaac cacaaaggga taccagtcag 59100
aatggctatt attaaaaagt aaaaaaatga cagatgttgg caggatgcag acaaaaggga 59160
atgcttacac actgttggtg gcagtgtaaa ttacttccat ccctgtggaa agcagtttgg 59220
agattttgca aagaactgca aatagaatta ccagttgacc caacaacccc attactgtgt 59280
acctacccaa aggaaaagaa attgtttac caaaaggaca taggcacaca tatgtttatt 59340
gcagcactgt tcacaatatc aaaatcatgt aatcaaccta ggtgcccatc aatagtggca 59400
ccagataaag aaaatgtgat acatgtactc caaggaatac tacatagcca taaaaaagaa 59460
tgaaatcgtg ttctttgcag caacatggat gcagcttagg attggcactt aagccataat 59520
cttaagtgaa ttaacccaga aacagaaaat cgaatactgc atgttcttat ttataagtgg 59580
gagctaagca ttgtgtacac atgggcataa aagtgggaac aaaagacact ggggactcca 59640
ggaaggggag ggagggagga aagggttgaa aaactgggta ttgggtacta tgctcagtat 59700
ttgagtgatg ggttcaatag aagcctaacc ccagcattat gcaatataac catgtaacaa 59760
acctgcacat gtacctgaat ctaaaatttt atatattaaa aaaaaaaaa ctgttctgac 59820
cagtaaaaaa agagctgaat gaggatgggc ccagtgctct gcctatttca gcccatcact 59880
ctccttctg cttctcttca cctcccggcc tgaccgggcc tcacctgccc atctccttga 59940
gctcttgtac cactgagctg ggccttcccc aacccatcct tcacatcctc ccactcctgt 60000
ccaggatttt ggcctgccat gggatgccag aacttgccct gagcaatttg tgtttcttaa 60060
atttgttttt tgggtaagga agtagctttg cgtttctgat tagaaaagaa tatgtgctta 60120
tcgtaaaaag aaatctgagt catgacagga gagcctgaga aagaaaacat catctcatct 60180
tccagcgccc agggataacc accaaattct ggggagcctc ctttcatagg tctttgcatg 60240
tgtgcacatt tatctgtcca attttccatc aactgaatat gattataatc aacatctgtc 60300
tctttgtttt gctcacctgt cccccactgg gccatcactg tgttcctacc tggtgacact 60360
gcgtccttgt gtccccatgc tggcacagta ggcctgctgc atccttgcat tcattttaca 60420
taagtgagac catgcccatt gccttagcag tttgaaggag ctatttgtat acgacagata 60480
tgtatccttt atcggtccct tgtgtcttgt ttttccactg ttaactcatt gtggagaccc 60540
ctccaggtca gctggaaggg aaccaaagca ttcctttcaa agacgcctca acatttatg 60600
gtgaggacat ggaagggctc actcactcaa tcctcttctg ccttcagact gttttcaatt 60660
tttttcccca tcacaaacta tgctcctgtt gctacccaca cacatttgtg ctttcatttc 60720
```

```
tgctgagtgg ctgctagcga aggctgagcc ttgggggttt gggtatgttt tcgagtagac 60780
agtgcctgcc ctactgttcc tcagacagtt tcactctcct ggtgcacacc tgttcagtgc 60840
tactggctgt cagaacactt aaacaataaa gtcccctcca gtgctcctcc aattgagacg 60900
gggcagggc ctcctcttag ggcactgtag cccccagcc ccgcaacagg gcatggaaat 60960
gaaggaaaat cccgagttcc ttgaagggaa gttccaggca cctagctagc cctgagaaat 61020
aaatgagcaa cttgacaaac aagagggtaa cagcagccta aaacaacagc caaggaagcc 61080
agagtcctgg gctgtttggt tccctctgga aactaaagag aacccctgaa catgtgtctc 61140
tgagttgttt ttcagaaacc cagaccccca ccaaaccgat ccactggcac agagacctca 61200
gataagacgg aactgaggac tgaactctga gcaggctctt tgttctaaat ttcttcctgg 61260
ggggcctggg ggaagtcccg cccacaagcc acagctaaca ttcctttctg gtaacccaaa 61320
tttttaaatg aaacttctct tccttaacca atttcaaaac aacaaatttt tgaatctacc 61380
tatgacctgg aagcccaccc ccacttcaag atatcccgcc cttttaggcc aaaaccaatg 61440
tgtaccctcc atgtattgat taatgatttt gcctgttaac ttctgcaatt cctgaaattc 61500
actctgcctt taaaaaccct tacctgcaag ccatcaggga gttccggtct taagagtgag 61560
ctgcccaatt ctcctttttt ggtccccgca ataaatgcct tgtgttctcg tagattatat 61620
cccaatctca gtgtttggtt ttgctgcact gggcaagcag atcccagtcc agctcggtaa 61680
cacaactgtc ctcgccacga cagcctcaac cccaggaccc tctgaccgcc cactgcaaca 61740
tgcacctggt acagcaggcg ctgtgggatc tgctccggtg ctggccgaag ctctgacctt 61800
gctccggtgc tggccgaagc tctgaccttg ggctgcccag gcccaccagt tatcccgtga 61860
acactgccag gctgcaacaa ctcatgagca gagcatgggg ctccgtcctt gctggtgtct 61920
gggagttacc cctttgtttt tccaaccagg catgtcagaa atgatatctc attgttaact 61980
ttcatttgca tttctctaac tacaggtgaa gttaggagtt tttccatatg ctggttgccc 62040
atttacattt cttcttttgt gaattgccta ttcatattct ctgctcattt ttccactgga 62100
gtattggtat tttcccgtca atgtaaagga gctacctgtg tatcatagat aggcatctct 62160
tagctgtcac ttctgttatg gttactcacc ctaatctctg ttttgctttt tggctttgtt 62220
tatggtttat cactcaagtt ttaaaacatt acataatcaa atatgcttag ctttcccctt 62280
ataacttctt ggtttccttt tccttctaaa agtcttctga gtgtctgcgt aattagtttt 62340
tctaaattcg tttacttttt tcattttaat ttttacttca tctgaatttt ttctttttct 62400
tctaagcaac tcctctacat gatgagattt attttgtaa atggcatgac agagcagtcc 62460
aatttaattt tcttctcatg caaaggcagt gtgatagcat cattaaaata atatcccttt 62520
ttcactgagt tgaaaaacct ccattgtgat acactgaatt cctctgtggg ggagtccatt 62580
tctggatctt actctatact gtcccccaat tctctctgtt ttcaagcaca gtgtctgctt 62640
aacagtaacc ttacaaatcc agcaaggaaa gtgttccttc tgtgtttct tttactttt 62700
tttttttttt taaagatagg gtcttactct gttgcccagt gtggagtgca gtggagcgac 62760
catggctcac tgcagcctca aactcctgga ctcaagccat cctcccacct cagcctcctg 62820
agcagttggg attacaggca tgcgccacca tacctaattt tttctattaa tttttttttt 62880
ttttaagaca tgaggtctca cttggttgcc ctgcctctct atgtggtttt aatttttttc 62940
aaaaaatttt tgactatgct agatttcttt ttccatatga atctttcaat tttttaattg 63000
ttttctctcc tttttagttc ctcttcacca ccaccacacc cccaccaaga aagataaaaa 63060
attctggctg aaattttact tggaagtgca ttaagttttt ataatagaat ttggtagaac 63120
tgacatttt acagtttcct ccccaatatc aaatcactgt taagagttca ttgtatatcc 63180
tttaaaataa ctttatagtt ggccgggtgc ggtagctcac gcctgtaatg ccaacacttt 63240
gggaggctga ggcaggcaaa tcacaaggtc aggagttcga gaccagcctg gccaacatgg 63300
tgaaatgccg tctctactaa aaatacaaaa aattagctgg gcgtggtggc aggtgcctgt 63360
aatcccagct actcgggagg ctgaggcagg agaattgctt gaacctggga ggtggaggtt 63420
gcagtgagcc gagatcacgc cactgcactc tagcctgggt gacagtgcga aactccatct 63480
caaataaata aataaataaa taaataaata aataaataaa taactttata gtttttcctt 63540
atatgggcat tatattttat tgttagtatg gagaaaggct attgattttt ttgagaaata 63600
tatttatcta aacactttgc caaatgaatt tattaatcta gtagctttta aaaaaattag 63660
aatctcttgt gttttctagg tctaccatag cattaccaga aaagatcatc ttccctgttc 63720
tttgacaata tgtttattga ttgttttcct gttttatcat gtggtatgac ctctaaaata 63780
atgttgaata aaaacagtga tatcagcatt cttattattt taatggaaat ggcattagag 63840
ttgcaccttt ttgatgttag ctatctttat catataaagt aaggttcctc ctattaattt 63900
ttattagttg tggctattaa atgttattaa attcccttt agtgtgaatt gatataatca 63960
taaactttat ccttatgggt ataataaatt atggtggtag ctctcttgat attgaaatat 64020
ctggaataaa ccctgcttgg ttattacata tagtcattta atacactgct gcactcactt 64080
cgctaatatc acctttagtt ttcttttaaa tctttattta atacttggat tggtcttcag 64140
```

```
ccttcttttg aagcctgcct gtatccagtt tcagaactaa gcttacacca gctttatatg 64200
atcaatttgg ggctgataaa gagccctgga aatgtcagct gtctagtggc tgggtgagac 64260
tcagctgctc gctgtgtagg tctgtttcca atcactatat ggaaattggc ctattttcta 64320
caatttcttc taatttatct tttcctaggt ttttatccat ttctctaatt tttcaaattt 64380
ttgccatatt actctcattt aaaaaatatg taatcataat tactgttctt ttttttttttt 64440
aagagacggg gtcttgatat gttgctcagg ctagactgct gtggctattc acaggtgtga 64500
tcatagcaca ctacagcctc aagtgagcct cctgcctcag cctctcaagt agctgggact 64560
acagttgtgt accaccatgg tgcctggcta taattactct ttttatgatt cctttttttat 64620
tccgaatctt gcattttttt tttctatctc tttttttcca tcagcctcat gaggaggtta 64680
ttattattat tttttggacc tttcaaagaa ccagatcttg gatttactat cctctggctt 64740
tcatttgctt gagtctttat agtttgcaaa gtttccattt tcagaagaag aaagagaccc 64800
aggaacattc tgtggcttgc tcaaggtccc acagcctgct agcaagtggc tgaactggaa 64860
tttaagctag gcccctgact ccaggctgct ccaagagatc tctgagccaa gcttttgaag 64920
gcaccatcag tggtgcctgg gatctccggg gatctcccag caattttgtc ttctttttagg 64980
tcacctgtcc ctttacctgc tgcttcagtt tcttaggcac agggcttctc tctggtaaca 65040
gacaggaagc tcctctgagg ctacgtgccc ctgggagact gtggggaggc tggaatctag 65100
agtcagatga cctggcttga atcctagctc tgtggctggc tgtgggcacc tgtgtctcag 65160
ttttcttatc tgggtaaaat gatcaacatc aatagagccc actacctagg atggttgtgg 65220
tgatgattac acaaataaag ataggttatc taaaacccca gtggtcaaat gtgcttcaga 65280
atccagaatt tttaggattt tagcagtggg tatacttcat tatgtgccat accccctccc 65340
acccccagtc tagggcaaca tactatttta caatcgaaca gagcagtatt tctgcagtga 65400
tccacataca tatcacattg aatggaaaaa gcctctaaat aacctcacct attgcttcaa 65460
agaaggtttg tttacaaaca atgaatttgc tgcacagttt tgaaatatgc agcagttttc 65520
agattttttta gatttagaat cgagggtaag ggattgcgga ctgtgcaggt taacccatag 65580
gatagccttg gcatgtggct ggtgcctgac ctatccagct gctattgtgt ccacagctcc 65640
caaggtccag ttcatggaca ttatttgctg aatgctcatc tgccagtctc ccacggtgtc 65700
ctctgcgcag ttcctcccta ctcccaggga cctatgccca gtccagtcct ggccttggcc 65760
cctgctgtct gcacaccagc tcccagcctg gcagcaggct ggtgccagga acaggggag 65820
acaaagccct gtgcccgcct gcctttcctc cagggtctcc ctcttcctcc tgcctcatct 65880
ccggtggaca taagaactca catcatcatc aaaggtggca taccaggact ggcctggttc 65940
ctgaccccag aacccatggt gcccctcagt ggtcttggtc tccagcttag tccacagctt 66000
cacctgcctg gcccctggca gcaccttgac tgggggccct tggtcagggt gctggggtgg 66060
agagtgcaga atatgatccc agggcaggtc ctccacagtg tgcctcgact ggccaggggc 66120
ttctcaagtg tgccttgggg agtagaaccc tctccgcccc tatggacagc ccacctcagg 66180
gcctgcagga agccctagtg tctttcaaga catagcttcc tcagctggag tgtgaatgga 66240
gccacccagg agccctggat cgcagaggac tgagctgctc agaaaggtgt gccccccagc 66300
agcctacctg gatggcaatg gggacaatct tgttggccag gttcttatac agcaagcaga 66360
tgggagcggc caggaactgg agtgtgcagg ggtctgtttt gttggcatcg atgccatcca 66420
gcagctcaaa gtccacgatg aaaatgttcc cttgctgcag gaggcagaga gatgtgtcca 66480
aatcaggctc agcagacgga ccaaaaatca ggcctgggga aagagtgatg acctctgggc 66540
acccctctcc ctttcctgcg actcagcgga gctcagaatg tgtacttctc tcctctgact 66600
ccaaggctga ttgattcaca tggaaggtgt tcacaggttg tggcagttcg gggtaagatg 66660
aaggaatggc agcagctcat tcggcatttg tggtgtctga aacctgcttg actggcacga 66720
aagatgagag accgacccga gtgtcagttt actaagaaga aagaggttag gtgaaataga 66780
tgtgacgagt taaatgccaa tcttcaccac ggggctgaag gtccgnnnnn nnnnnnnnnn 66840
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 66900
nnnnnnnnnn nnnnnnnnnn nnnnggggt cctcagggac tgggcctcag cccgccggtg 66960
gttccaccct aggcttcccc aagtcggtca agagccggga gcagctgtcg gagtacctga 67020
ccgtggtgat cttcaccgcc tccgcccagc acgccgcggt caacttcggc caggtaggca 67080
gggccgggcc cgctgggcag ggctcccttc tcaaggccgc tgcctcctcc cccgccccgg 67140
ttctgcacgc gtactgcacc ctcggacagc ctcggggcct ggcacgggac ttgcaggatg 67200
gattctgccc gctcagccaa gggcgctggc cgcggggaaa gaggatggac ggactgcagg 67260
gcccgctgga gttgggggggc acggggagga cggggcccag ggggcagctg ggcagcaggg 67320
cttcgggggt gcccacgctt gctggcggtc gtctccgcag tacgactggt gctcctggat 67380
ccccaatgcg cccccaacca tgcgagcccc gccaccgact gccaagggcg tggtgaccat 67440
tgagcagatc gtggacacgc tgcccgaccg cggccgctcc tgctggcatc tgggtgcagt 67500
gtgggcgctg agccagttcc aggaaaacga ggtgaagctg ggcagggcgg ggcacagccc 67560
```

```
caggtcaccc caggttaagc ggttcctcag cctcagggct ttgtgactcg ggccccaagg 67620
ctcacttgga gcaaaggaat cctgacttcc aaggctggaa gggcccagaa ggctgcagcc 67680
gccaccaggt cccccggcct cagcctggac agagctcagg gtgtgcaggg caggagagca 67740
cacagcccag gctttgctca ctgtcaccag agggtcgtgt gtgacgcccc ctcccccag 67800
ctattgacaa agttcttgca catgtgtttt accctggtac tccagaggga atgaccaaga 67860
gtttcctggg ttccttccgg acacgtgcat ctcatttaac ctaacaactg aatccggtgt 67920
gtcttcgtgg atgcacccgc tttggggtag ctcagtactg catagaatgg ccggaccagt 67980
ccaacctgct ccagactgct gggtgtctga gttgttcccg gccaatgtgt tggtccctca 68040
ctggacatcc ttgttttgt ggctttgcac atgtgttcag tatgaccgca cacattccta 68100
gcagacaaat tccttggtca aagaatattg atactgaatt gccctccaca aactaaattc 68160
aaaatcccat tatcaatagc ctatgtttct tggacctttc cagctcagaa gctttgtgat 68220
cttaatccaa tacagtattt ttttaaaatg atatctagct ctgccccgca gacatctgtg 68280
tgagaatgca aataagcaca ggaccccaac agggcagcca cccccttcagg ctccctggcc 68340
cgctttctgc cttcctgggc tggagaggcc agtgctggcc ccagcgcccc tgatgggagg 68400
tgagagtgct gcgcaggggt ggcccaagac agcaggatac catggctgca aacaccagca 68460
gcccccagct tcatctgcat catctcgtaa ccacttggca gcaggcagtt attttcccac 68520
ttatccatga agccccagcc ctggagcctt ccttagagaa gcaggttgga ggcgacgaca 68580
cttgccttcc cgaggccctc ttgtcaggca gcagagggtg aatatgggga ggtgaataga 68640
tgctccctcc ttcatctccc aaacggtggc tggccccttg ggatgagaca ggcctgtcag 68700
tttacacggg tagtggattg acctatgtgt gtgtccatgt ctgggccctc agctgttcct 68760
gggcatgtac ccagaagagc attttatcga gaagcctgtg aaggaagcca tggcccgatt 68820
ccgcaagaac ctcgaggcca ttgtcagcgt gattgctgag cgcaacaaga agaagcagct 68880
gccatattac tacttgtccc cagaccggat tccgaacagt gtggccatct gagcacactg 68940
ccagtctcac tgtgggaagg ccagctgccc cagccagatg gactccagcc tgcctggcag 69000
gctgtctggc caggcctctt ggcagtcaca tctcttcctc cgaggccagt acctttccat 69060
ttattctttg atcttcaggg aactgcatag attgatcaaa gtgtaaacac catagggacc 69120
cattctacac agagcaggac tgcacagcgt cctgtccaca cccagctcag catttccaca 69180
ccaagcagca acagcaaatc acgaccactg atagatgtct attcttgttg gagacatggg 69240
atgattattt tctgttctat ttgtgcttag tccaattcct tgcacatagt aggtacccaa 69300
ttcaattact attgaatgaa ttaagaattg gttgccataa aaataaatca gttcatttaa 69360
aatgggtctt gttccatgtg ttatattcca atcaccccaa acagctcact gccatctccc 69420
acaccaagag aaaaaaaaag ccatagtcac cgtgatttta tcaaggcaaa agcctcccca 69480
cccaagtctg gatagaaggt gcttttttccc tcaagcagtg tctactctct ttggaacaca 69540
tcccaaatgt caccacctct gggaaggcat ccttggttcc tgtctctacc ctggatttgt 69600
cagaacctct gttcttgccc cctctgtggt ctctcccttg ggacaggagc ccctggaagg 69660
acagaaaacc cactttattt atgtctgtgc cccagggctg gcataaggca ccagcactca 69720
gctgttctct ccttttcctc ctggaagggc acctagctaa tggatattag gcattgtctt 69780
gggagctggg ggcttatttt ttcctgaggc agggttctta acatgacata aaaaataaaa 69840
atgggcaggg cgcggtggct cacgcctgta atcccagcat tttgggaggc caaggtggga 69900
ggatcatttg aggtcagaat tcaagaccag cctggccaac acggtgaaac cccatctcta 69960
ctgaaaatac aaaaattagc caggcatggt agcaggtacc tgtaatccca gctactcagg 70020
aggctgaggc aggaaaattg catgaacctg ggagacagag gttgcagaga gtggatatcg 70080
caccactgca ctccagcctg ggcaatagag cgagactctg tctcaaatag ttaataaata 70140
aataaattaa attaaataaa aacgcattct ctttccccag ccccaagtag cagagcccgc 70200
tctgagcctg ggcatggtga cccattctcc tcgtgctcac atgcccaact cccagccctc 70260
cagcccctgg cttcggaatc atgtcatcag ggtctcccat gtctctggaa ggtgcttcca 70320
gtgtggcagg ccatcagctc agtgtctggg taaaggcttc tacagggcca gcatggcata 70380
ggggggaggt gtgcatgcgt tcctgaagcc acaaggtctt ctgaggagac ctgactattg 70440
gggtggggac tagagactga ggtccagccc cttaatgccc cagactccct gccatccctc 70500
ggagaatttc ccaccacact tatgaatgat cttcgggaca ggtgacataa acatacagct 70560
atggtagagg cattcagctc catgccactg tgagaatgaa cataccaact tttaggcaac 70620
aaggccatgt ggtcaaggag agaggagaaa cgaataggag taggcagggg tggtgaagca 70680
ggtctgacat tggcaaaagt gacagagaag gattgggttg gaagggcttc agatggcaga 70740
gaacctctga aaaagtctca tgccagctaa tgaagagtcc tcaaagtcac catcacagaa 70800
atcttacatc tggcagaaat gacagcaata gtttggcatg aaccccacag tggatccaaa 70860
cgtgtggcag ctgagatcgt cagttaatta tgttctctgc agctggtcct tctggttccc 70920
tggagctggg tatctgagta gcacagctcc actgctacca caggagaggg agaatcccaa 70980
```

```
attctgtgca tagactgtct aaacctctgg atgacccta agacacatgt acataaggca 71040
aactgcaaac agcccaattt aggataaaac agcctgtctt actctgtttg tgctgctata 71100
ataaaatacc tcagactggg tcatttatat agaacagaaa ttgattcctc acagttctgg 71160
aggctggaag tctaagagga ggcactggca gtttcagtgt ctggtaaggg agggatcagt 71220
gtctgctccc aagaggatgc cctctgtgct gtgtcctcac ccagcagaag agcaaaaaag 71280
ggcgaacatt ctcaaaagcc tcttttataa ggacatcaat ccattcatga gggcagaacc 71340
ctcaagaatt aatcatttct caaaaggccc ctcctcctaa tgccatcacc ttggggttta 71400
agttccaaca catgattttt ggaaggacac atacattcaa atcattgcac aaccaaagtg 71460
atatttgaac tttcaaatag tttgcagttt gagatcaact aagttaattg cttgcttgaa 71520
taaaaacatc acagccgggc acgatggctc acgcctgtaa ttccagcact ttgggaagcc 71580
aaggtgggca gatcacttga ggtcaggagt tcgaaaccag cctgaccaac atggtgaaac 71640
cccatttcta ctaaaaatac aaaaattagc caggcggccg ggcgtggtgg ctcatgcctg 71700
taatcccagc tctttgggag gccgaggcgg gtggatcaca aggtcaggag attgagacca 71760
tcctggccaa cacagtgaaa ccctgtctct actaaaaatg caaaaattag ctgttgagac 71820
tactcgggaa gctgaggcag gagaattgct tgagccgaga tcgtgccatc gcactccagc 71880
ctgggggaca agagcaagac ttcgtctcaa aaaaaaaaaa agaaaagaaa ttttctggat 71940
taggataatg ttctatattt ggataagggt ttaggttacc tagatagata catttatcaa 72000
aagtcatcaa atggtacact tcagatgtac gcatgtcact gtatgtaaat attacccaa 72060
aatcaacaag aaccatgagc aaatactgac ttctagtgaa cgacatgcat actgaaactt 72120
tcgtagtgaa gtataattat ggctgcagtt gactctgaaa tacataaaaa cctaagttga 72180
tgggtgaata cagtgattaa tagatagaaa tctgtggtaa agcatacgga gaaaaatgtt 72240
aattgtagat tctagggttt atatatattc tcactatata attaaacgtt tttatgttta 72300
aaaattttta taatgttgaa aaaccatgaa atcctaccta acgcagtaag acaagaaaaa 72360
gagataaaag gtatatgtac tgggaagtaa gaaataaaac cgtctttgtt agcagatgac 72420
atgctcatct atgtagaaaa tccaaaagaa tggataaaga aactcctgga actaataagt 72480
ggttacagta aggttgtagg atacaaggtt aatatacaaa agtcaatcac tctcttattc 72540
accagtaatg aacaagtgga aattgaaatt caaaacaaaa tactatttac attaatactc 72600
caaaaataca tacttaggtt taaatctaat aaaatacata caagatcttt atgaggaaaa 72660
ctgcaaccct gatgacagaa atcaaagaga aactaaagaa atagacataa gtaaatattc 72720
cccagaaaga ctcaatattg tcaagatgtc agttcttcaa aacttgacct atagattcaa 72780
tgcaatccta atcaaaatct cagcaagtta tgttgtggat actgacaaac ttattctttt 72840
ttttttttt ttttttttg agacggagtt tcgctctgtt gcccaggctg gagtgcagtg 72900
gcgcgatctc gactcactgc aagctccgcc tcccgggttc acgccattct cctgcctcag 72960
cctcccatgt agctgggact acaggcacgc gccaccatgc ccggctaatt tttgtatttt 73020
tagtagagac ggggtttcac cgtgttagcc aggatggtct cgatctcctg acctcgtgat 73080
ccacccgtct cggcctccca aagtgctggg attacaggcg tgagccaccg cgcccggcca 73140
acttattcta aaatttagat agggaagcaa aagacccaga acagctaaca caacaatata 73200
gtaggaaaac aacaaatttg gaaaatggat actacccaac tccaagactt actataaagc 73260
tacagtaatc aagatagtgc cgtattggtg aaagaataga caaatagatc aatggaacag 73320
aatagagagc ctaagaaata gaccttcata aatacagtca actcatcctt gacaaagtag 73380
catagacact acaatggagc aaagattgtc ttttcaacaa gtggtgcagg aacaactgga 73440
tatccacatg caaaaacaaa caaacaagca tgaatctaga tacagacctt atgctcttca 73500
caaaaattaa ctcaaatgg attatagatc taaatgtaaa attcaaaact ataaaattcc 73560
cataacatag gataaaatct agatgaccta ggtatggcta tgactttta gacataacac 73620
caaagccatg gtccatgaaa gaaataattg gtaagttgga cttaattaaa attaaaacct 73680
tccgctctgc aaaagaccac actaggagag ggaggaaata tttacaaaga cacatctgat 73740
aaagaattgt tacttaaatt atacaaagcc ttcttaaact taacagtaag gaaacaatct 73800
gattgaaaaa tgggccaaag actttaacaa acaaagaag atatacaaat ggcaagtaag 73860
tatgtgaaaa gaagctgcac agctgggggg cgtggtggct cacgccttta atcccagcac 73920
tttgggaggt caaggcgggc agatcacctg aggtcaagag accagcctgt ccaacatgga 73980
aaaacctgtc tctactaaaa atataaaatt agctaggcat ggtgatgcat gcctgtcatc 74040
ccagctactt gggaagctga ggcaggagaa tcgcttgaac ccggaaggtg gaggttgcag 74100
tgagccaaga tcgcgccatt gcactccagc ctgggcaaca agagtaaaac tctgtctcaa 74160
gaaaaaaaaa aaaaagctgc acattctatg ttatcaggga aatgcaaatt tagaataacg 74220
caataacaag ataccactac atacatatta gaatggccaa aattgagaac actgacagca 74280
ccaaatgtgg aggaggatgt ggagcaacag gaactagaga gaatgcaaaa tggtatagcc 74340
acttaggaag acagcttggc agtttcttac aaaactaaat atactcttac cacacaatcc 74400
```

```
agcaatcaca ctccttggta tttacttaca tcccaacaaa aaccctcata tggatgtcta 74460
gagcagcttt gttcataatt gtcaaaactt ggaagcaacc aaagatgccc ttcggtaggt 74520
gagtaaataa ataatatcca gacaatggaa ataccattca gtactaaaga gaaatgagct 74580
atcaagccat gaaaaggcgt ggaagaaact gaagtgtgta tcactaaaag tcaatctgaa 74640
aagggtgcat aagtttccaa agatatgata ttgcagaaaa ggcaaaactg tggagacagt 74700
aaaaagattg ccaggggcta gggcagtggg agggatgaat aggcagggca cagaggarttt 74760
tcagggcaat aacactactc tgtatgacac tataatgttg gatacatggc cagatccaca 74820
gaatgtagaa caccaagagt gaaccttgaa ctatggactt tgagtgatga ggatgagtca 74880
gtgtaggctc atggattgta ataaatgcac cactgtgggg ggggggggat attgataact 74940
ggggggctgt acatgtgtag ggacaggagt aaatgggaaa tctctacttt tgttaccggt 75000
ggagggtgta ccgcatttttg aacaaaaaat tggacaaaac gcacaaagca aggaaagaat 75060
gaagcaacaa aagcagagat ttattgaaaa cgaaagtaca ctccacaggg tgggagcagg 75120
cctaagcagg tggctcaagg gcctgaatac agattttttct ggggtttaaa tacctctag 75180
aggtttccat tggttacttg gtgtataccc tacgcaaatg aagaggatga agggaggtta 75240
caaagttatt tacttggtgt agaaaattag ggttttttccc ttttatttag ttgtaggaag 75300
cccttaggtt acctgcctcc agaccctatt ctcctgcctc attttattcc taattttgtt 75360
gtgaacctaa aattgctcta aaaaatgaaa tcttttaaac aagaaaataa acttataaat 75420
tgcaaatatg tgtcacttac ataaaaacaa agaattagtg tccctacatc aggaaaaaaa 75480
cacctataat tcaatgtaaa aatgcaaaaa agccaagaga aatggccaag ccatggaaat 75540
tcacagaagt agaaataggc agtaaataaa caatgctcaa tttcatttat ctgagaaatg 75600
gagagtaaaa cttcagtgac atacaaagga gtaacaatca ttttaggaac aattttaaaa 75660
ataacacttg tgatgtggct caggaaagat tcatattctc actgtaggaa ggtaagtgaa 75720
tcattttaga ggtcagtttt gcaacttaga agatcaaatg catctaccct ttttctactt 75780
ctagaaatgt atcttcagaa gtgcccctcc ctccctcaca cacccccaag tgtacaaaaa 75840
taaatgacat ggatgtggac tgcagccttg tttctaatac caaaaatcag taaacaacct 75900
aaaaatctgt atccatgagg atttaaagaa atcctgcatg agttagaaag aataaggtag 75960
atgcctgggt tctaacatag aaaatatcaa actggttgtt agatgaaaaa agcaagttgc 76020
aaagtgaggt aatgtgtaaa tgcagtaagc aaaatacatc atatatatag tactttctat 76080
gtatttacct atatgagcgt gatgcctcca actgcatagc tgtggctccg ggagcaggac 76140
cttgtaacag agcctctgcc cctgactgtc ctgaggggcc tttccctggg aaaggaacca 76200
ggtttgattt tcagtctctt ttgttatcac catgctgaca gctttgcttg tcatatgcct 76260
ttccctccgc tgtactgatt ttaccttaca gaagctctcc ttagtgcttc atcagacact 76320
ccctcttttc caaagaaaag acagccgcat tccatggtca tctggttgag ctcgaggtga 76380
gccccaggga tcatgtgcct cccaccaggc tgacacccca gtggtgagga gttgcccctt 76440
ggctttttcg aggccaagca actcagaggt gtggcaggat tgcatgtcac agtggcactt 76500
ccaaggccct ggagagtgac tcaacgcctc tgttattaag atgtcacaca ggctgtgcag 76560
caacaactct agggacaccc ttcacactga cagagttggc aagcttttcc tataaagggg 76620
cacacagtga atactgtagg ctttgtaggc catactatct gtcccaacaa ttcaactttg 76680
cccactgtag ctgtgaatca accgtagata atattaagtg aatgtgcact gctgtttgct 76740
aatagtttat tgacaaaaac agctgctttt gagcagtttg ctaccccgac agagactgtg 76800
gggagtccct ggtggcagcg agctacaggc agccagtacc ccatcagtgt ggctggttcc 76860
atcctctcaa gcctgcctgc acccagacac tgtcgagtgt gtcttcagaa aaactcctaa 76920
aattccccaa aagcacagtg gctccccgag agccacctcc ctcaccttct tacaggggca 76980
ggttcctctt ccggttccac cctcctcagc acggagctca ggggccatcc ccacctcctc 77040
ttggccgcaa gcacagacct tcccacacag gctcagcagc tctgcgggcc tgtcccccac 77100
ctggagctgc aggcctccac tcctggggac agctgtgacc atggctctgc aaagcagcct 77160
tgtgcctagc tcccaagtca gctggcagcc cagagtggaa caattctgtg gatcacctct 77220
gagacagcag cacatctggg caagcctggc ttcccacccc tcacctcctg caacctctga 77280
cccttgccat gcatgtggta gggaagctgc aaccaggcct cagcactccc agacctgtgg 77340
gcggtttgct gtctgaggat cgtggcactg ccttccctca gaggccttgc cagagccagg 77400
ggatgcagcg tggcagagct gtcactggca accctgctgg tctccctggt gctttctcag 77460
ctgggctgtg ggtcaggaca aatttctatg gataaggctg gatcataatc tagtgctcca 77520
tggtcatgca gcgacagact cgagtctgcc ttctctcagg gtggtgagct caggtaggaa 77580
cgggatgttt gaagcaagca cacctgtgag aaatgcctgt tttcactccc atcccacaca 77640
ctcgtccaga cactgccagc ccacccccga cacacgtgtc tgagggaggc tgaggaaaac 77700
agacacctcc aggagccgca tactatttcc tgatgtgtaa gccagacaac cctggaaagg 77760
aggtcaggga accggagtgc ctgccaacgt ccccagcctc cctgcagcaa aacactctca 77820
```

```
tggcaaaact cctttttaaa gaaaggcttt attgctgcaa ttagacatcc cagtgtatag 77880
cacaaacccc cctgtacaga gaattattca agtggtaata ctgagaaaca gtgaacacac 77940
acaaaagaat acaaaactag acatttagat cactagaaac tttctaaggt aagaaaaatt 78000
tcaaatgtga agtgcctttt agaaactaca ccacacatgc cagtgtaaat ttggtttaac 78060
aatcaatttc tataaacatt gcatctaact gtgcactgat caactgcaca acttcaacaa 78120
ttacttccaa gacaaagata aatgctttta tttccctatg ttttggtctt tccttgggct 78180
agagacagaa gctgcatgtt tcaaaccaga ttcaaaaggg aaagcacttc aaaacagaaa 78240
gtacttcaat tgtgtatttg ccttcagcca catccagaga cttgtggatc tcacccggtt 78300
ggtcccagcc cttctccaac cctgaagccc acagcagggg tgcagaggca gccccagatc 78360
gtgcagacat cacccgaggc tcccaaactg gcccagctgc ctgaggcctg catgcctgtg 78420
gccaggtagg acacatgtgc aggtttgaaa actaggccta caagactgaa gagtggactg 78480
aagcaaaaag gggagaaaca ttagaggcct acagtaggaa gagacctttt atagagtttt 78540
caggaaattc tcacaataaa cttgggcaca aagaccaaat tgctgaggcc agaagcctgc 78600
ttatggtact gtgacttatg gggagtagag gccaaatcag agagggctgg ctggtgatac 78660
cccagaccac ttgcctcttc cccttccctg gcctacaaat accaggcctc ctggccctga 78720
gacctcattc tgggtttcta tatgggtcaa ccaaatgcca tcctttcact aaacccaggt 78780
gcaaaatggg gggggaaggg gggaagctgg ggagtacaca gcacccaaaa gaaccgagag 78840
agcaagtttt ccaaggctac aggaacattg gcagagctgg tggccacacc agatgggagt 78900
accacatccc caccaggctt catgcttcac tgctagatgc aggggggctag aagggtctga 78960
tgaatcagga gctgaactag aaccttcaag aaaagaaaag gcaagggggt ggctctgtgc 79020
cccgccagga gaggaaagaa gaatgtgtgt ggattgtcca cagtgaggcc agaaacgatg 79080
agatggtgtt aggcagaaaa gaagggagag ggcttcccat gagaatctgg ctgggcatgg 79140
gagggataca gggctcagtt atcaaggcac ctttgccata gtggggtgcc agctacattg 79200
ggtgggatgc ccaggggctg tccctaccta agcactttct tgtctacagg aagtcttggt 79260
gcttttcaag ttcagcataa ggggttccat atgtgaagtg gggattcaca cttagaaaat 79320
ctatcctggt cttcacctga aacactcatc tactgctggg tggcaggaac aagtatacaa 79380
aaccaggggc cttgcctggg cagttcctaa gggacattgg cagggctgac ctgggattca 79440
gctcccctga gtggacagtc tgtggttgcc tggggtcccc aggctgagaa ggggtatggg 79500
taattgcact tcggggcaca gtgaacacag gcacgggctg gatgtgccct gggagacaga 79560
aaggagaggc tgacctattc tcaggagctg gctatggctg gacagtgcct gcccggccag 79620
aggaaggcca cagcagagcc actccacaga ctaagacctg tgttgccaag gaatcagaca 79680
ctggcttgga ggagacagga ggacaaagcc tgctgctatt aagcccacac cgtagcttag 79740
agatccttca gcctcctggc cttcaaaaca aactccaggg cttccactct gaaaggcaaa 79800
ggaatcacct cgtgtttgct tcatcccctt agcaggatga acgaaacgcc taaggcccaa 79860
aaagactgag ggcaggaccc ccagcatctc ccatctcctc cgtgcaggct gggtgagaga 79920
atggcctgga aaggaagcat ctgcgctaca ttgtgcttca ggccccccca gcaactttcc 79980
cggaggtaac tatttgcctg gaaaactagg aaactgggtt ttaaaaacag aattttaagc 80040
agacttttta gagggacaag gccatttgat ggtagtgatt ttggttttgt tttatgaaaa 80100
tggtacaggt ggtaatccct gatgacagaa tgcactgaga gtggggccaa gggccctgaa 80160
ggatcctgtc tgttcagtct ggttaaggcg acagctgggc gggcatgtgg ccggggagca 80220
gtggcacagc ggaccctggc agtttgctca cacctggccc tcgtcccaga gccagcccac 80280
ctgcctcttg gccctggtag tgactccaca gaacttcccc gagcagaagc ctcacagtgg 80340
gccagcaccc atcttgcatg caagggagaa cctgcatgca gtgcacacac cccggccagg 80400
gtggcacatg gctgctcttt caatgtgaag ccaacaccaa ctggagagat ttaactataa 80460
aggaatattt tttaaatatt cagttttgtt gtcattactc acttcctttc cttccatttc 80520
gatctcagaa actgttcttt ttcagtgttg acaaaaaga aatgtatggg ccaggtctac 80580
aaagtaacac cttgtcataa aacaggctca aaagcatagg aatcatgctt taattgccat 80640
ttagcatcca ctaattccca tgagatctgt gattaaaaaa aaagcctctg gcctgcttgt 80700
cctgtcttaa aagtcatgag tctgttttat gaacagaaag aatgccacgc ttcttagcat 80760
atgtaaggca aaatggattt ttgatctctc atgatgtaaa ggagatacaa aggtaaggaa 80820
gggaagattt ctaagtgaga ctttttttga gtgtcaatcc cgctggacac acatattaca 80880
aaataaagat tttcttctgt aaagtgctgt ttgctcagtg aatcatgcgc caccacagag 80940
caccatggct ccacctgctc aagagcatgg aggaggcagc atcggcagag ggcaggcagg 81000
agtctgtgtt tgggggtctg tttcaatacc atctcctggg gttcgccgtg atgcagaggg 81060
aatcttctcg tcatggctag acactcccca atgctctgct ccaggctggg gaccactgca 81120
agctggaggc ggctgggtat cagggcctgg gcacccctgc tcctcctctt cccttgggat 81180
tggcatttta ttctctcatt cagctcaaga ccatgggcag gaactctgct ggctccccat 81240
```

```
gatgtcatca tggggtcttc cactttccca cagagctgcc aggcagaggc aggacccagg 81300
catgcctggc ccacaggaag gtttttctagg agactaagga gggtttagaa aaagagaagc 81360
cactataaat agtcacctgt ccagtctatg ctattaaagg acataagaaa ggtatacaat 81420
tggcagtaaa caatttcctt cagctcttca tggatgtcca ggaaaatgac aacccgcaca 81480
caatcagacg tgaatgattt ctgctccagt gtcttcaggc tctgtgcaac aagaagagtt 81540
tgtgtcggaa tgacagattc catatccatg tttattttca aagttgggct ctgttagtgg 81600
agatttttca aaaatattct ttttgcttgt ttctggacag ttttgaacat agatcactct 81660
attataggcc ttgagtctct tccacaattg cacatacact ttacactgaa catacataaa 81720
aagaagtcct ccggtgaagc cgatggccac aaccaccaat ttagtccaaa agggccattc 81780
taggattcct ggaagggaaa aactcagcct attagatttt atttaagata tgtcttcacc 81840
acggggctga agnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 81900
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnggcggtga 81960
ctgtgacatt gaggttcggc gtcggggggag agggaaaagg agagggagag ggagagggag 82020
agggagaggg agagggagag ggagagccat atgtagttta aagtagtttt tttccaattc 82080
tgagaagaag gtcattggta gcttgatggg gatggcaatg actctataaa ttaccttggg 82140
cagtatggct attttcacga tattgattct tcctacccat gagcatggaa tgttcttcca 82200
tttgtttgta tcctctttta tttccttgag cagtggttta tatttctcct tgaagaggtc 82260
cttcacatcc cttgtaagtt ggattcctag gtatttatt ctctttgaag caattgtgaa 82320
tgggagttca ctcatgattt ggctctctgt ttgtctgtta ttggtgtata agaatgcttg 82380
tgatttttac acattgattt tgtatactga gactctgctg aagttgccta tcagcttaag 82440
gagatttttgg gctgagacga tggggtttttc taggtataca atcatgtcat ctgcagacag 82500
ggacaatttg acttcctctt ttcctaatcg aatgcccttt atttccttct cttgcctgat 82560
tgccctggct agaacttcca acactatgtt gaataggagt ggtgagagag ggcatccctg 82620
tcttgtgcca gttttcaaag ggaatgcttc cagttttttgc ccatgatgta tgatattggc 82680
tgtgggtttg tcatagatag ctcttattat tttgagatac atctcatcaa tacctaattt 82740
attgagagtt tttagcatga agcgttgctg aattttgtca aaggccttt ctgcatctat 82800
tgaaataatc atgtggtttt tgtcattggt tctgtttgta tactgggtta catttattga 82860
tttgtgtacg ttgaaccagc ccttgcatcc cagggatgaa gcccacttga tcatggtgga 82920
taagcttttt gatgtgctgc tggattcgtt tgccagtatt tattgaggat ttttgcatcg 82980
atgttcatca aggatattgg tctaaaatgg gtttttttgtt gggtctctgc ccagctttgg 83040
tctcaggatg atgcctcccc tattaaaaga gggagggagg attccctctt tttctattga 83100
ttggaatagt ttcagaagga atggtaccag ctcctccttg tacctctggt agaattcggc 83160
tgtgaatcct tcaggtcctg gactgttttt ggttggtaag gtattaattg ttgcctcaat 83220
ttcagagcct gttattggtc tattcagaga ttcatcttct tcctggttta gtcttgggag 83280
ggtgtatgta tggaggaatt tttccatttc ttctagattt tctagtttat ttgcatagag 83340
gtgtttataa tattctctga tggtagttta tatttctgtg ggatcagtgg cgatatcccc 83400
tttatcattt tttattgcat ctatttgatt cttctgtctt ttcttctttta ttagtcttgc 83460
tagcggtcta tcaattttgt tgatcttttc aaaaaaccag ctcctggatt cattgatttt 83520
ctgaagggtt ttttgtgtct ctatttcctt cagttctgct ctgatcttag ttatttcttg 83580
ccttctgcta gcttttgaat gtgtttgctc ttgcttctct atttctttttc attgtgatgt 83640
tagggtgtca attttagatc tttcctgctt tctcatgcgg gcatttagtg ctataaattt 83700
ccttctacat attgctttga atatgtccca gagattctgg tatgttgtgt gtttgttctc 83760
attggtttca aagaatatct ttgtttctgc cttcatttca ttatgtaccc agtagtcatt 83820
caggagcagg ttgttcagtt tccatgtagt tgagtggttt tgagtgagtt tcttagtcct 83880
gagttctagt ttgattgcac tgtggtctga gagatagttt gttacaattt ctgttctttt 83940
acatttgctg aggagagctt tacttccaac tatgtggtca attttggaat aggtgtggtg 84000
tggtgctaaa aaaaatgtat attctgttga tttggggtgg agagttctgt agatgtctat 84060
taggtccgct tggtgcagag ctgagttcaa ttcctgggta tccttgttaa ctttctgtct 84120
cgttgatctg tctaatgttg acagtggggt gttaaagtct cccattatta ttgtgtgggt 84180
gtctaattct ctttgtagat ctctaaggac ttgctttatg aatctgggtg cccctgtact 84240
gggtgcatgt atgtttagta tagttagctc ttcttgttga attgatccct ttaccattgt 84300
gtaatggcct tctttgtctc ttttgatctt tgttggttta aagtctgttt tatcagagac 84360
taggattgca accccctgcct ttgtttttcca tttgcttggt agatcttcct ccatcccttt 84420
attttgaacc tatgtgtgtc tctgcatgtg agatgggttt cctgaataca gcacactgat 84480
gggtcttgac tctttatcca gtttttccagt ctgtgtcttt taactggaac atttagccca 84540
tttacttta aggttaatat tgttatgtgt gaatttgatc ctgtcattat gatgttagct 84600
ggttattttg ctagttagtt gatgcagttt cttcctagca tcgatggtct ttacaatgtg 84660
```

```
gcatgttttt gtggtggctg gtatgggttg cccctttcca tgtttagtgc ttccttcagg 84720
agctctttta gggcaggcct ggtggtgaca aaatctctca gcatttgctt gtctgtaaag 84780
gattttatgt ctccttcatt tatgaagctt agtttggttg gatatgaaat tctgggttga 84840
aaattctttt ctttaagaat gttgaatatt ggccctcact ctcttctggc ttgtagagtt 84900
tctgccaaga catgagctgt tagtctgatg ggcttccctt tgtgggtaac ctgacctttc 84960
tctctggctg ctctcaacat tttttccttg atttcaactt tggtgaatct gacaattatg 85020
tgtcttggag ttgctcctct cgaggagtat ctttgtggca ttctctgtag ttcctgaatt 85080
tgaatgttgg gctgccttgc tagattgggg aagttctcct ggataatatc ctgcagagtg 85140
ttttccaact tggttccatt ctccccgtct ctttcaggta caccaattag atgtagattt 85200
ggtctttttca catagtccca tgtttcttgg aggctttgtt catttttttt ttctttttttc 85260
tctaaacttc tcttcatgct tcatttcatt gatttgattt tccatcccca ataccctttc 85320
ttccagttga ttgaatcagc tactgaggct tgtgcattca tcatgtagtt ctcatgccat 85380
ggttttctgc tccatcaggt catttaagga cttctctgca ttggttattc tagttagcca 85440
ttcatctaat ttttttttcaa ggttttttaac tgctttgcca tgggttcgga cttcctcctt 85500
tagctcagag tagtttgatc atctgaagcc ttcttctctc aactcgtcaa agtcattctc 85560
catccaggtt tgttctgttg ctggtgagga gccgtgttcc tttggaggag gagaggcact 85620
ctgattttta gagcttccag tttttctgct ctgtttgttc ctcatctttg tggttttatc 85680
tacctttggt ctttgatgat ggtgacgtac agatgggggtt ttggtgtgga tgtcctttct 85740
gtttgttagt tttccttcta gaattcagga ccctcagctg caggtctgtt ggagtttact 85800
ggaggtccac tccagaccct gtttgcctgg gtatcagcag cagaggctgc agaacagtgg 85860
atattggtga acagcaaatg ttgctgcctg atcattcctc tggaagtttt gtctgagagg 85920
agtacccagc cgtgtgaggt gtcagtctgc ccctactagg gggtgcctcc cagttaggct 85980
attcgggggt cagggaccca cttgaggagg cagtctgccc attctcagat gtcaagctgt 86040
gtgctgggag aaccacttct ttcttcaaag ctgtcagaca gggacattta agtctgcagt 86100
ggttattgct gtcttttgtt tgtctgtgcc ctgcccctgg aggtggagtg tacagaggca 86160
tgcaggcctc cttgagctgt ggtgggctcc agccagttca agcttcccgg ctgctttgtt 86220
tacctactca agcctgggca atggcgggca cccctccccc agcctcgctg ccgccttaca 86280
gtttggtctc agactgctgt gctagcaaag agtgaggctc tgtgggtgta gaaccctcca 86340
agctatgtgt gggatataat ctcctggtgt gctgtttatt aagcccattg gaaaagcaca 86400
atattagggc aggagtgacc caattttcca ggtgccatct gtgaatgctt tctttgacta 86460
ggaaagggaa ttccctgacc tcttgccctt cccaggtgag gtgatccctc accctgcttt 86520
gggtcacgca tggtgtgcta cacccactgt cctgcaacca ctgtctggca ctccccagtt 86580
agatgaaccc ggtacctcag ttggaaatgt ggaaatcacc tgtctttttgc atcgctcatg 86640
ctgggagctg tagactggaa ctgttcctat tcagccatct tggctccacg tatatccact 86700
gccacacttc tttagtcata aagtgagtgc cttggtcaga ggcaatgctg tgtggaatac 86760
catgatggtg gataaggcat tctgtgagtc catgaatggt agtcttggca gagcattgtg 86820
ttcagtttag gcaaacccat atccagagta agtgtctgtt tcagtgagga caaacctctg 86880
ccctttttcag gatggaagag gtccagtata accaaccttc caccaggtaa cagactgatc 86940
accccgagga atggtgccat attgagggct cagtgttagt ctctgctgct gtcaaattgg 87000
gcactcagct gtagccatag ccaggccagt tttggtgagt ggaagtccat gttgctgagc 87060
ccatgtataa cctccatccc tgccaccatg gccactttgt ttatgggccc attgggtgat 87120
aacaggggtg gctggggaaa gaggctgagt gatgtccaca gaacaggtca tcttatccac 87180
ttgattatta aaatcctcct ctgctgagat cacccattgg tgagcactca catgggatcc 87240
aaatatcttc acaggttttg gccactcaga gaggtccatc cacatacctc ttccccaaat 87300
ttctttgtca ccaattttcc aatcatgctt cttccaagtc cctgaccatc cagccaaacc 87360
attggctaca gcccatgaat caatatataa tcgcacatct ggccatttat ccttccatga 87420
aaagtgcaca accaggtgca ctgcttgaag ttctgcccac tgggaagatt tcccttcacc 87480
actgcccttc agtgatgtcc tagaaagggg ctgtagtgct gcagctgtcc actttgggt 87540
ggtgcctgca tatcgtgcag aaccatctgt gaaccaggcc ctagtcttct cttcctctgt 87600
caactgatca tagagaactc cccatgaggc catcggtgca ggctggggaa gagaaggtgg 87660
ggtggcagtt gtggagacca tgggcatttg agctacttcc ttgtgtaact tacttgtgcc 87720
tttaggacct gctcgagccc aatcacatat atatcacttc catttgatga tggaatgctg 87780
ctgtgcatga cccattttat ggctacatgg gtcagaaagc acccagttca tgatagacag 87840
ttcagttcac atggtgactt gatgacccat aatcaaatgt tcagtttcca ccaaagctca 87900
gtaacaggcc aagagctgtc tttcaaaagc acagtagtta tatgcagaaa atggcagggc 87960
cttgtttcaa aattttttagag gcatctgctg tgattcacct gtgggggcct gccaaaggct 88020
ccaaacagca tccctatctg ccactgatgc ctcaagcacc attggatctg ctgagtcata 88080
```

```
tggcccaaac agcagagcag gttggacagc agcctggacc tgaggcagag ccttatcctg 88140
ttctggaccc cactcaaaac tggcagcctt ttgagtcact cgataaatgg gcctgagtaa 88200
cacacccaaa tgaggaaagt gttacctcca aaatccaagt aggcccacta catattgtgc 88260
cttttttctta gttgtaggag gggccaaatg cagcaactta tccttcatct tacaaggagt 88320
atcttgacag gccccacacc agtggacccc tagaaatgtt actgaggtag aaggtccctg 88380
aattttagtc aaatttattt ctcatcctct ggcacacaaa catctcacaa ataagtccag 88440
tgtgtttgct acttcttgct cactggatcc gatcagcata atgtcatcaa tgtaatggac 88500
cagtgtgata tcttgcagaa gcaaaaagtg gtcaagatct ctccaaataa gattatgatg 88560
caaagccaga gtttatatac tcttgaggta ggagagtaaa gatatattgc tagtcttgcc 88620
agctgaaggc aaattgcttc tagtgggcct tatgaatagg aatggagaaa aaggcatttg 88680
ccaagtcaat ggctgcatac caggtaccag gaaatgtgtt aatttgctca agcaatgaaa 88740
ccgtatctgg tacagcagct gcaattggag tcaccactta gttaagctta tgataatcca 88800
ctgtcattct ccaagatcca tctgtcttat gcacatgcca aatgggagag ttgaatgggg 88860
gtgtgatgaa aatcaccacc cttgcgcctt tcaagtcctt gatcatggca ctaatctctg 88920
caatccctcc agggatgtga tattgttttt gatttaccat ttttctaggt agaggcagct 88980
ctaatgcctt ccatttggcc tttcccacca taataggcct caccctacca gtcagggagc 89040
caatgtgggt gttcttccag ctgctaagta tgtctatgcc aattatgcat tctggcactg 89100
gggaaatgaa cacaggatga gcctggggac ccattggacc cactgtaagt cagacctgag 89160
ctaaaactcc attaattacc tcacctccat aagctcctgc tttaactgga ggaccacaat 89220
gacgttttga gtcccttaga attaacgtca gctcagagct agtgtcctgt aatcccccaa 89280
atgactgata atttcccttt ccccaatgca cagttacctt gataaaaggc tggaggtctc 89340
cttgggaaaa aatgggagaa agattaacag cataaattgt tggtagtgta gtgggctcct 89400
tccttaatgg gacccaactt cccctttatt caagggttc tgtgtctgta aactggctca 89460
agtcaaaaat tgattgaggg gccatgattc tctattttta taattcaaag tagtgttttg 89520
tccatttgac ctggaagttt tctgcttata taaattaagt aggaagaag taggcatcct 89580
aacaatttca cttctgggaa cactgtgatt aattagcgaa tgccagaact ctacatgagt 89640
cagactattc tgattgctgc tttgccacta ctgtctgtta tggtagttat gcccaccttg 89700
cctttgatgg ttgagtgcca ccacttggcc tctgccacct tgggatccaa ttattcccat 89760
tgtatttacc tttattagtt gagtgactgt ggttctcacc attggatctg atatgcagag 89820
aattacgggg ctcttcaaag atgcaggtgc taccctcaca gatctatttt gcaaggtatt 89880
ggtcaagggt atatcttctg ggcccttcca tctgggatga gtaggtctaa agtgactaat 89940
ccactccacc atctcaatct ctctaagcct ttggatccct tcctctacat taaaccaaga 90000
gtgatcagac atttccagct ccctcacagt ggccatcttt caatccatat ttcagctaac 90060
taagcaaata aattattaga accttttttt aactccctga gctgcaatat aaatgcaga 90120
gtctctactt agtgggccca aatcaacaaa ttcagcctga tccaactcta tgttccttcc 90180
accattatcc cacacccttа atatccattc tcatgcctgt tctccagatt tctgtttata 90240
taaattagaa aactcaagta gttctttca agtatagtga acctcctcat gggtttcact 90300
ctcaacctca cctcttgggg cccataagga ctttagtctg gttataggtc tagaagcaga 90360
cagggggtgtt gggggtggct cctgaggaga atcaacatta ttttgcctgg caactgctca 90420
gggggggcca tcactgttgc cttaggcagc acagtgttta tctccccaga caaatatgga 90480
aaggctgatg gcagcatggg tcagggagag gatgtcacca ctactgggga tggggaagct 90540
gtttttttttc tggcaaaaaa ggtttcctga gactttacaa actcagtgtc cccagcttca 90600
tcagggtcct cccacatgtc cccttttccaa gttgcagggt cccattcttt tccaaacgat 90660
gccctcactt taatagtaca tacctggtga ggctgtgcat gcacccttca ttggaagtca 90720
gccacttgca caataagagc tcatatccat tttcccacaa tttcagctct ttctctgcag 90780
gagataatac tttcactcag ggcaatctta gcagatttga ggctcagtat ctgcttctga 90840
agccaggagt tagaatccct aagttcattt tctttcatca ctttgtccat tgaacttagg 90900
agaaaccaac caacttcatt atgtttccac atatggtcaa aggtattatt tatagagtca 90960
ctaaactcct tgcctctcat gagcgctgaa tcaggaatgt caaatgcatt tattttgctt 91020
aactctctaa acagttcata gaaaggaaca ctgaatcagt gttctccata ctatcagaag 91080
tagagtcctt agcatttttg agtctaatca tattaaacag ccactccaga aaccctaaaa 91140
ccaatgaaag aactgcatcc ttaatgttct gttcctctag aaccactcct ggtacaaaaa 91200
tctgtgttag ggttctctag aggggcagaa ctaataggat agagatatat aagaaggaaa 91260
gtttattaag tattaactca catgatcaca aggtcccaca ataggatatc tgcaagctga 91320
ggaacaagga gagccagtcc aagtcctaaa ctgaagaact tcgagtctga tgttcaaggg 91380
cagggagcat ccagtaccag agaaagatgt aggctgggaa gctaggccag tttagtcttt 91440
tcatgttttt ctgccaactt ttcatattct agctgcactg gcagctgatt agatggtgcc 91500
```

```
cacccaggtt aagcgtgggt ctgcctttcc cagcccactg actcaaatgt taatctcctt 91560
tggcaacacc ttcacagaca cacctaggat caatactttg catccttcaa tccaatcaag 91620
ttgacactca gtattaacca tcacagaagc attatctact aataccacca tataaaagat 91680
gcggatgtta gcatagttat cacactgttt cctcacacaa tccactaccc atggcttggt 91740
ttctatggac atattattgg atctgagcca gcttattata atgttttaaa taatattcaa 91800
gaattgttac aattgcattt tgaattgtta ttatttaaat ataggtcaat ttctaaatag 91860
attcttgtcc atagtcagat tttacatcat gatttcctca ctcatgacat ttaaaagttt 91920
atttgttaaa tttagccaat atatacaagt ctgcatttgg ggatgggtaa ttgaatgcca 91980
tttttaattt ttgggtaatg gagacttttt ttatgttgcc tttatatttg atccataact 92040
aggctatgta gtacatttct gggtcaaatc tctattgctt taaaactttg tggttttgct 92100
tcattatctc ctagtatcta cagttactga agtgatacgt acaaccagct ttggacatga 92160
tgaatgtttt aggctaaaga cttgggtgtt ctttggtctt tggaagtttt ctttaatact 92220
ctctttaaat ttgtctgatt ccacttcttg gttccctttt caggaacacc aagtattcac 92280
acagtggata gtcatctgtc ctctacttct aaaattttgt tatttaacaa aatgttataa 92340
aagtagaatc acatttatgt aacctttttg gattgatgtt ttttgctcag cataatttcc 92400
tggcaatcca tccaagttgt tgcatgcatc aatcatccat tcctttacat tgctaagtag 92460
tattccatgc tatgtatttta caacagtttg tttacccatt cacctgttga aaaacatctt 92520
ggctgaatct agttcttagc tattaatatt ataaacaaag atgctataaa catttgtttg 92580
acagtttttt gtgtgaagtt tttattttc tgggataaat gcctgggagt gcaattgctg 92640
ggtcatatga tagttgtgtg tttttctttg agaaactccc aaaatttccc agagtggatg 92700
aagtatttta tgtttctatc agtaatgtat cagtgatccg gtttctacac atccttacca 92760
gcatttggtg gtgtcatgat ttttaatttt agccattctg atagatgagt agtgatagct 92820
tattgttgtt tcaatttgca tttccctaaa acctaataat tttgaacatc ttttcatgtg 92880
attatttgct gtccatgaaa tatctgtgga aacagtgagt agaaggatgc tttccacagt 92940
ctgagaagga cagctgggag aggtggatga agagaggttg gtatatgggt acaaaaatac 93000
aattaagacc tctggtccat gctgggcaca gtggctcatg cctgcaatcc cagcactttg 93060
ggaggccaaa gcgggtggat cacctgaggt caggagctta agaccagctt ggccaacatg 93120
gtgaaaccct gtctctactg aacatacaaa aattagccgg gcatggtggt gcgtgcctgt 93180
aatcccagct actcaggagg ctgaggtggg agaatcactt aaacccggga ggcgaagttt 93240
gcagtaagcc gaggtcacac cactgcactc cagcctgggc aacagagcac tccagccggg 93300
gcaacagagc aagactctgt ctcaaaaaaa taaaataaaa taaagtaaaa caaaataaag 93360
agttccaatc cagcagagag tgtggtgaga tggtgcggga ccagctccct gggacttctg 93420
agcctttgcc ctggccagtg ggggagctga gccaggatag gctgtagcct ctgccccgtg 93480
acaccaggac ccttgtggtg gctgccacca ggacccttgg ggtgggtgcc tgggccttga 93540
agatgcagca agcctccctt cccctacac ctcagtgact gagggtggtg gtggcctttc 93600
ccaggccgca ccctgccggg tatagacgaa gtccccactg agcctggatg cagtgccttt 93660
gggtggtggt gggagtggca ggggcagctt ggtgactatc cgggtgtgag gattgggaag 93720
gtgctcttgg gatgcaggac acgggctcag ccacctcttt aggccatggc gctgccagat 93780
ccgggtcctg gtgaccactc tgtcccagct gggtgagact tacctagtcc tgaggacaac 93840
agacaatggc cttaataggc ctggaaggtg agtggaggca cagaggagga cagtgtggaa 93900
cagttagcag gcattgggct gttggtcttc cttctaccag acctggaagg acctcacatt 93960
tggcctatgg gaaatgcccg ccacactttg ggaagattta ctatctgctt ctagaaggct 94020
gtgtgtatat tatgaaaaag ctattctcaa ctcaccccca accttttaat agataacatc 94080
tgtggggagg ctgacaagat ggctgaatag aaacagctca ggtgtgcagc tcacagtgag 94140
atcaatgcag aaggtgggtg atttctgcat ttccaactga ggtacccggc tcatctcatt 94200
tggactggtt agacagtggg tgcagcccat ggagggtgaa ctgaggcagg gtggggtgtt 94260
gcctcacctg ggaagtgcaa ggggtcagaa aactcccctg ttagccaagg gaagctgtaa 94320
ggagctgtgc catgaggagt ggtgcattcc agcccagata ctatgctttt cccatggtct 94380
ttgcaaccca cagaccagga gattccctcc agtgcttatg ccaccagggt cttgggtttc 94440
aagcacaaaa ctgggtggcc atttgggtag acaccaaggt agctgcagga gtcttttttc 94500
atacccagg gatgcctgga atgtcagcga gacagaacca ttcactcccc tggaaagggg 94560
gccgaagcca gggaaccagg tggtctagct cagtggatcc caccccatg gagcccagca 94620
agctaagatc cactggcttg aaattcttgc tgccagcaca gtagtctgaa gttgacctgg 94680
gatgctggag cttggtatgg ggaggggcgt ctgccattac tgaggcttga gtaggcagtg 94740
ttcctctcac agtgtaaaca aaactgcaag gaagttccaa ctgggtggaa cacaccacag 94800
cgctgccagg ctgctgtagc aagactgcct ctctagattc ctcctgtctg ggcagggcat 94860
ctctgaaaaa aaggcagaag ccccagtcag ggacttatag ataaaactcc catctctctg 94920
```

```
ggacagagca cctggggggaa ggggcagctg tgggtgcagc ttcagcagat tttaacatcc 94980
ctgcctgcca gctctgaaga gagcagtgga tctcccagca cagtgtttga gcagactgcc 95040
acctcaagtg ggtccctgac cccctggcct cctgaccggg agataccttc cagaagaagc 95100
caacagacac ctcacacaag agagctccag ctggcatctg gcaggtgccc ctctgggaca 95160
aagctttcag aggaaggaac aggcagcaat ctttgctgtt ctgcagcctc cactggtgat 95220
acccaggcaa acaaggtctg aagtagatgt ccagcacact ccagcagacc tgcagcagag 95280
aggcctgact gttagaagaa aaactaacaa acagaaagga atagcatcaa catcaacaaa 95340
aaggacatcc actcagaaac cccatccaaa ggtcaccaac atcaaacaca aaaggtaggt 95400
aaatccatga agatggggag aaaccagcac aaaaaggctg aaaattccaa aaaccagaat 95460
gcctcttctt ctccaaaaaa tcacaacttc tcaccatcaa gggaacaaaa ctggatggag 95520
aatgaatttg atgaattggc agaagtaggc ttcaaaggtg gataataaca aactcctctg 95580
agctaaagga gaatgttcta acccaacgca aggaagcaaa gaaacttgaa aaaagattag 95640
atgaattgct aactagaata acgagtttag agaagaacat aaatgacctg atggagctga 95700
aaaacacagc acaagaactt agtgaagcat acacacatat caatagctga atcgatcaag 95760
tggaagaaag gatatcagag attgaagatc aacttgcaga aaccctataa gccagaagag 95820
actaggggcc aatattcaac attcttaaag aaaagaattt tcaatgctga atttcatatc 95880
cagccaaact aagcttcata agtgaaggag aaataaaatt ctttacagac aagcaaatgt 95940
gagacatttt gtcgtcacca cgcctgcatt acaagagctc ctgaagggag caataagcat 96000
ggaaaggaaa aaatggtgcc agccactgca aaaacatgcc aaatggtaaa gaccatcaac 96060
gctatgaaga aactgcatca agtaatgggc aaaataacca gctagcatca taatgatagg 96120
atcaaattta cacataacat attaacctta aatgtaaatg ggctaaatgc cccaattaaa 96180
agacacagac tggcaacatg gataaagagt caagacccat cagtgtgcag tattcaggag 96240
acccatctca catgcaaaaa cacacatagg cccaaaataa agggatggag gaatatttac 96300
caagcaaatg gaaagcaaaa aacaaacaaa caaacaaaca aacaaacaaa caggggttgc 96360
aatcatagtc tctgataaaa cagactttaa accaacaaag atcaaaagag aaaaagaaag 96420
ccattacata gtggctaaga agagctaact atcctaaata tacatgcacc caatacagga 96480
gcacccagat tcataaggca agttcttaaa cacctacaag gagacttaga ctcccacaca 96540
ataatagtgg gagattttaa tacccactg tcaatatcag acaggtcaat gagacagaaa 96600
attaacaagg atatctagga attgaactca gctccagact aagcagacct aatagacatc 96660
tatagaactc tccaccccaa atcaacagaa tatacattct tctcagcacc acatcgcact 96720
tattctaaaa ttgaccacat aattggaagt aaaacactcc tcagcaaatg cagaagaatg 96780
gaaatcataa caaacagtct ctcacaccac agcgcaatta aattagaatt cagaattaag 96840
aaactcactc aaaacctcac acttacatgg aaactgaaca acctgctcct gaatgactgc 96900
tggataaata atgaaatgaa gaaggataaa gatgttgttt gaaaacaata agaataatgt 96960
accagaaact ctgggacata tttaaagcag tgtgtagagg aaaatttata gcagtaattg 97020
cctacaaaag aacacaggaa agatctaaaa tcgacaccct aacatcacaa ttaaaagaac 97080
tagagaagca agagcaaaca aattcaaaag ctagcagaaa acaagagata actaagatca 97140
gggcagaact gaaagagata gagacatgaa aaacccttaa aaatcaatta atcgctctcc 97200
ctctccctct ccctctccct ctccgtctcc ctctccgtct ccctctcccc acggtctccc 97260
tctccctctc tttccacggt ctccctctga tgccgagccg aagctggact gtactgctgc 97320
catctcggct cactgcaacc tccctgcctg attctcctgc ctcagcctgc cgagtgcctg 97380
cgattgcagg tgcgcgccgc cacgcctgac tggttttctc tgcccggcca gccgccccgt 97440
ccgggaggga ggtaggaggt cagccccccg cccggccagc cgccccatcc gggaggtgag 97500
gggtgcctct gcccggccgc ccctactggg aagtgaggag cccctctgcc cagccaccac 97560
cccgtctggg aggtgtaccc aacagctcat tgagaagggg ccatgatgac aatggcggtt 97620
ttgtggaata gaaaggggg aaaggtgggg aaaagattga gaaatcggat ggttgccgtg 97680
tctgtgtaga aagaagtaga catgggagac ttttcatttt gttctgtact aagaaaaatt 97740
cttctgccgt gggatcctgt ggatctgtga ccttacccccc aaccctgtgc tctctgaaac 97800
atgtgctgtg tccactcatg gttaaatgga ttaagggtgg tgcaagatgt gctttgttaa 97860
acagatgctt gaaggcagca tgctccttaa gagtcatcac cactccctaa tctcaagtac 97920
ccagggacac aaacactgcg gaaggcagca gggtcctctg cttgggaaaa ccagagacct 97980
ttgttcactt gtttatctgc tgaccctccc tccattattg tcctatgacc ctgccaaatc 98040
cccctctgcg agaaacaccc aagaatgatc aataaaaaaa taaataaata aaaataaaaa 98100
taaaataaaa taaaataaaa aaagaaataa acacaaataa aatgttaaaa ttcccattct 98160
acataaaatc atctatagat gttttaaat atacaacatg attatcaagg acttaatctg 98220
taccacattc ttgtagatgt aaagttaaaa ttcttgtaac catcactctc aaccctaccc 98280
tatcttccag cataaatgag actttcacat gttttctctt gcccagatgg agacactaac 98340
```

```
tgtaggcttt ggaaatgtct taaaaaaaaa aaaaaaaaaa agagagccag gcatcttcaa 98400
acagagaaaa gctgtttgaa cacatttatc taagtctatc aaaagctatg attgttagca 98460
agaggtaacc ttgtaatgcc aaggcagaaa actgccacca aaccacaaaa agcttgttca 98520
actgctgaac ctaaaattaa acaatttatc tctcattaaa aaaaaaaaat caattaatcc 98580
aggagctggt tttttttaa agatcaacaa aatagataga ccactagcca gactaataaa 98640
gaggaaaaga gagaagagtc aaatagacat aataaaaaat gataaaggag atatcaccac 98700
tgatcccaca gaaatacaac ctaccatcag agaatattat aaacacctct atgcaaataa 98760
accagaaaat ctagaagaaa tggataaatt cctggacaca tacaccctcc caagactaaa 98820
ccaggaagaa gtcaaatccc tgaataagcc aataacaaac tctgaaattg aggtggtaat 98880
taatagccta ccaaccaaaa aaagtccagg accagacgga ttcacagctg aattctacca 98940
gaggtacaaa aggagctggt accattcctt ctgaaactat tccaaacaat agaaaaagag 99000
agaatctccc taactcattt tacgaggcca gcatcatcct gataccaaag cctggcagag 99060
acacaacaaa aaaagaaaat ttcaggccga aatccctaat gaatattgat gcaaaaatcc 99120
tcagtaaaat tctggcaaac cgaatccagc agcacatcaa aaagcttatc caccatgatc 99180
aagttggctt catccctggg atgcaaggct ggttcaacat atgcaaatta atgaacgtaa 99240
tgcatcacat aaacagaacc aatgacaaaa accatgtgat tatctcaata gatgcagaaa 99300
agaccttcga caaaattcaa cagcccttca cgctaaaaac tctcaataaa ctagatattc 99360
atggaacatg tctcaaaaca atcagagcta tttatgagaa acccacagca gccaatatca 99420
tactgaatgg gcaaaaactg gaagcattcc ctttgaaaac tggcataaga caaggatgcc 99480
ctctctcacc actcctattc aacatagtat tgggagttct ggccagggca atcaggcaac 99540
agaaagaaat gaaggatatt caattaggaa aagaggaagt caaattgtct ctgtttgcag 99600
atgacatgac tgtatattta gaaaacccca tcatctcagc ccaaaatctc cttaagctga 99660
taagcaactt cagcaaagtc ttgggataca aaatcaatgt gcaaaaatca caagcattcc 99720
tatacaccaa taacagacaa accgagagcc aaatcacgag tgaactccca ttcacagttg 99780
ctgcaaagag aataaaatac ttaggaatcc aacttacaag ggatgtgaag gacctcttca 99840
aggagaacta caaatcactg ctcaatgaca tcagagagga cacaaacaaa tggaaaaaca 99900
ttccatgctc atggatagga agaatcaata tcgtgaaaat ggccataata tccaaagtaa 99960
tttatagatt gaatgctatc cccatcaagc taccactgac tttcttcaca gaattggaaa 100020
aaactacttt aaatttcata tagaaccaaa aaagagcctg catagccaag ccaatcttaa 100080
gcaaaaataa caaagctgga ggcatcacac tacctgactt taaactatac tacatggctg 100140
cagtaaccaa aacagcatgg tactagtacc aaaacagata tatagaccaa tggaacagaa 100200
cagaggcctc agaaataaca ccacacatct acaactatct gatctttgac aaacctgaca 100260
aaaacaagca atggggaaag gattctctac ttaataaatg gcattgggaa aactggttag 100320
ccatatgcag aaagctgaaa ctagatccct tccttccact gtatacaaaa attaactcaa 100380
gatgggctaa agacttaaat gtaagaccta aaaccataaa aaccctaaaa gaaaacatag 100440
gtaataccat tcaggacata ggcatgggca aagacttcat gactaaaaca caaaaagcaa 100500
tggcaacaaa agccaaaatt gacaaatggg atctaattaa actaaggagc ttctgcacag 100560
cgaaagtaac taccatcaga gtgaacaggc aaccaacaga atgggagaac attttttgcaa 100620
tctatccatc taacaaaggg ctaatatcca gaatctacaa agaacttaaa caaatttaca 100680
agaaaaaaca aacaattcca tcaaaaagtg ggtgaaggat aagaaaagac tcttctcaaa 100740
agaagacatt tatgcagtca acaagcatag gaaaaaaagc tcatcatcac tggtcattag 100800
agaagtgcaa atcaaaaaca caatgagata ccatttcatg ccagttagaa tggccatcat 100860
taaaaagtca agaaacaaca gatactagag agcatgtgga gaaataggac cacttttaca 100920
ctgttggtgg gagtggaaat tagttcaacc attgtggaag acagtgtggt attcctcatc 100980
ttcaccacgg ggtggaggta cgnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 101040
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 101100
nnagaaacat agaccctgcc caacgcatat tcctgaaagg gatggcaagg ttttttttaaa 101160
ggttttatgg gtttaggtgt actctaaagg attttaaccc ttctaaaatt attttttgtat 101220
aaaggtgtaa gaaagggatc caacttcact cttttacaaa tgggaagcca gttttttcccg 101280
gcccctttt ttaaaaagga ttcccttttcc cattggttgt tttttttcaag gttgtcaaag 101340
atcagaaggt tgtagatgtg ggttggtaat ttttaggggt ttgttttggt cccattggtc 101400
cataggtcgg ttgtggtacc agggccatgt tgttttggtt actgtaagcc tcgtagtatg 101460
gtttgaagtc aggtagcatg atgcctccag ctctgttctt ttggcttagg attgtcttgg 101520
caatgcgggc tctttttttgg gttccatatg aactttaaag tagttttttcc caattctgtg 101580
cagaaagtca ttggtagttt gatggggatg gcattgatct ataaattacc ttgggagtat 101640
ggccatttttc atgatattga ttcttcctat ccatgagcat ggaatgttct tccatttgtt 101700
tgtgtcctct tttattttgt tgagcagtgg tttgtagttc tccttgaaga ggtccttcac 101760
```

```
atcccttgta agttggattc ctaggtattt tattctcttt gaagcaattg tgaatgggag 101820
ttcactcatg atttggctgt ctgtctgtta ttggtatata agaatgcttg tgattttttgc 101880
acattgattt tgtatcctga dactttgctg aagttcctta tcagcttaag gagattttgg 101940
gctgagacga tggggtttttc tagatataaa atcatgtcat ctacaaacag ggacaatttg 102000
acttcctctt ttcctaattg aatacccttt atttccttct cctgcctgat tgccctggcc 102060
agaacttcca acactatgtt gaataggagt ggtgagagag ggcatccctg tcttgtgcca 102120
gttttcaaag ggaatgcttc cagtttttgc tccttcagta tgatattggc tgtgggtctg 102180
tcataaatag ctcttattat tttgagatac atcccatcaa tacctaattt attgagagtt 102240
ttcagcatga atggttgttg aattttgtca aaggcctttt ctgcatctat tgagataatc 102300
atgtgttttt tgtcattggt tctgtttata tgctagatta catttattga tttgcgtatg 102360
ttgaaccagc cttccatccc agggatgaag cccacttgat catggtggat aagctttctg 102420
atgtactgct ggattcggtt tgccagtatt ttattgagga ttttcgcatt gatgttcatc 102480
agggatattg gtctaaaatt ctctttgttt gttgtgtgtc tgccaggctt tggtatcggg 102540
atgatgctgg cctcatataa tgagttaggg aggattccct cttttttctat tgattggaat 102600
agtttcgcca aactgacatg attttttaaaa ttccctatag ggtcaatgtg cagatttaaa 102660
gatccctaca ctcagtagtc ctgggatagg gtcggggggat ccatatgttt aacaagcagc 102720
ctagagtctc ccgatagcct gggcaagctt taaaaagccc tgcggacatt cggatgaaac 102780
aaaggtgcac agaacctata tctctgccat ttattagctg ggggccttag gcaaggaagg 102840
tagtcaacct ccgtattcct cagttcctca actgtaaaat ggggatgatg actgtggctc 102900
cctcgtgggg ttgtgacgga ggaacagggg acatatgtcc tgggatcagc actggcaatt 102960
tggccattct taccatagca cctgccatct tggtgacagc ctggacacaa agccttcaca 103020
cctttgaagt ggccatagag agcatgagat atggatgggg aggaggcatt ccaactaaag 103080
accccctgctt tgggccaaaa acacatgtat gtctggtgtc tggagtcctc tggttatgcc 103140
tttttttaaga taccggttgt cctgcaattg tgcgttgaga atccactcta tggccaacat 103200
atcatcaaag cgtttggctc agctaggctg ttcccccaac ccaaggaccc catgaggaaa 103260
ggagtgaggg ttccaccccc agcaccagcc actggagggg ctgcccagag tccctcagtt 103320
ctcgtaaact tacgctttgg agtaattcag aacaaagtcc actccttttt cactatcaaa 103380
ctggatatca cggggtaaat ccttgtggca tttggcatcg atgctcaagg ggaagccagg 103440
gttccactcc atccatctga gcatgagaaa ggagaagaaa ttgagttaaa tgccagcctt 103500
tggtctgccc cctcagctga gggccgccca cactgtcaga cgatgttaca cagggagatt 103560
gatgtactca aaataaagtc aacacatcat aggctgaccc tgtgtccagt aaggttctgg 103620
gacctcttcc aaagtccagt cgcaccaact ttgctgtgcc ctgagcatca gagtgggaac 103680
cctgagactg ggcttatagt ggtacaggtg tgcaccactg cataaaaagt tctgtaggta 103740
gtctagggag acctcactta ctagaggtga cattgaacag tagaggcctg ccttgccagt 103800
cactggaggt agaaggtatt aaggctgccc agccacgccc aacctggaca tccaccattc 103860
tgccaacttg atcagtgtgt gccctggact gcgtgcatgt cctgcatgtg gcatttgggg 103920
aaatgggaca gttcttctgc cttcacaata ggacgacacg gcagcaggtg gcctgggaga 103980
gggacccagg cacagatggc taaaaggctt ccctctctca cctgctggcc aatagcagct 104040
ttagagatta ttacaatcaa aacagcttcc ccaaagacaa gccacggact gcatccagta 104100
aacatgctca gatcctgaca tccttgaaac gtatcccgtg gcattgggca tttgtgtttt 104160
tgaaaaatgt ttattttgct tttttgttta cttattgagt aaacttaaat tgtgaaaatg 104220
tcagaggtgt ttgaaccaca gcaactccat cttgaatagg ggctgggtaa aataaggctg 104280
agacctactg ggcagcattc ccaggaggtt aggcattcta agtcacagga tgagacagga 104340
cattgatgca agatacaggg cagaaagacc ttgctgataa aatgggttgt ggtaaagaag 104400
ccggccaaaa cccaacaaaa ctaagatggt gatgaaagtg acctctgttc atcctcacca 104460
ctcattatat gctaattata atgcattagc atgctaaaag aaactcccac cagtgccatg 104520
acagtttaca aatgccatag taatgtcagg aagttaccct atatggtcta aaaaagggag 104580
gaaccttcag ttcctggaat tgcccacccc tctcctggaa aactcatgaa taatccactc 104640
attgtttagc acatgatcac gaagtgactg taagtatgct cagtcgagta gcccatgcta 104700
ctgccttgcc tatggagtag cctttctttta ttgctttact ttcctaataa acttgctttc 104760
actttatgga ttcaccctga attctttcct gtggaggtcc aagaactctc tcttggggtc 104820
tggatcagga cccctttctg gtaacaaaaa caaaatgaaa tcctgttagt ttctttgggg 104880
agggagaatg attttgtgtt tgtttaaaaa ccagatttta catttttaggg ttttagcttt 104940
ttcatttata ttcctaattc tccttccttt taaaatttttc ttttgagagg aaagtaaaat 105000
atcgagattt tgggtcttaa aaaagtcctg agttatttta atatgatctt gtgctttgac 105060
tttccccaaa tcccaactgt cacagtgtcc tcttggccca gtagcctctc cttaggatca 105120
caagaagtga acagggaccg ggtatgatcc ttctgacagc aaaggcattt tgtcaagtgt 105180
```

```
tttctgttat gtggcacctt acatttctca ctgttggttt atttagaata ttctacgtcc 105240
tcagatttta agaaaacctt ccatttttgc tgtttgtatt aatgccaatg atagtatatt 105300
aacaaggata aaaatgtgga caagtctaca cattttttgt ttgtttgttt tggaaaatga 105360
ctcaaggcat ctccaatata tatctaaaat tgagccattc agtagcctca ctggtagtaa 105420
tgatcaatta attagctatc attagtcata tcaatttaaa tattactgat gattttctct 105480
ttgcctggac agttcaaggg ctctagttaa ttttaaaagc tcagtggagc tagatgtttt 105540
tcagtatgta aacaatgagc catgcaaggg catctgtgcc agcaaatggc attaatgttt 105600
tcttaagtga atagtccact tggacggatg tggaatactt cttcagcacc aaaaagacct 105660
tcttgcccca tgccctgccc tggtctatgg agggtggcag caccaatggg cagaaatgcc 105720
ccacttgtgt ggttagaaga tgatggcctc acagcacatg gagacaggac agcttgcttg 105780
ctagttcact actgcccccc tgaaaccaaa tgtttatgtc ccttccactg caggtcactg 105840
ctgcttaaga gaccctgaca ggctgacctg cacaggagcc gaaggcctgc atggccacag 105900
acattaactg gtggagatgg aatcccactc cattgaggaa gaccaagtgg aacacccagg 105960
cagaaggaac aaagaagtag aaaggcattt aatttattgg aaaaaaaatg agagagagag 106020
agaaagagag agagagaaag caagagagac agagagacag agagagagag agagagaaag 106080
agagagagag aaagcaagag agacagagag acagagagag agagagagag agagagacag 106140
acagacagag agatcctaag gggatgcagt tagtataatt ggagtgtaaa aagactttct 106200
gtaaccacaa acatgatttc tgaatgaaga cttcaataga gaaacagaca aagagaataa 106260
tcactgtgag atgtttggtc tcttgtatta aaagaaaagc tttagacaaa ttaaatttag 106320
cagtttaatt gagcaaagaa caattcaaga atagggcagc ccctaaacca gagcaggctc 106380
cgagtgactt tgatgctgtc tcatagttgg ataggattta tgggcagaaa aaggaacgtg 106440
atgtacagaa aatggaagtg aggtacagaa acagccagat tggtgatggc tcagcatttg 106500
ccttacttga gcccagtttg aacagctggc cactgtgagt ggctgaagtc tggccgctgt 106560
gattggctga gacttggtta cttgctatga gagtaggtga cagtctgttt acacatccag 106620
ttaggttaca gttcactatg tacagagaaa ctttttaggct gaatttaaaa tatgtaagga 106680
gaaaagttta agctaaactc attaacacct agaagagaga aggtgttcat tcgacaacta 106740
attatggagc acctactatg tgccaggaag tgctttgtgc aaaatagaag aacatgtaac 106800
ccaaatacag ggtgaaacta caaagaaatg gaagccataa atgaaactat gagagacata 106860
aaccaaaaat aaaattctaa gcccctgaac tgactgatgg accctcccct tggccaaggg 106920
cattccaaag ttaacctgaa aaattagttc aggccatgat aggaatgggt ggctaaacgt 106980
gcctcattgt actctcctcc tcttggaatt caggcacaac tgatcagcat tcacatcaac 107040
acagagatgt taagcccatt agaacagact ctttaagatt gataagaaac atttacaatt 107100
gattctacct gaagcctgct acctggaggc ttcatctgca tgataaaaaa ctttgtttcc 107160
acaaccccctt atcttaacct agacattcca agtttttaga taataattct tttaagcagt 107220
tgccaatcag aaaactctttg aatctgccta tgacctggaa gctcccctcc cccaagttgt 107280
cccacctttc caaaaccaaa ccactgtcca tcttacatgt attgactgat gtcttatgtc 107340
tccctaaaat gcacaaaagc aagctgtacc ccaaccacct tgggtgcatg ttctcaggat 107400
ctcctggggc tgcatcatgg gccactggtc actcatattt ggctcagaat aagtcttttc 107460
aaatatttca cagagtgtga ctcttttcat taacagacat gaaagccaga tacagatgta 107520
atatgcaagg agtaaaagct ccaaaaggag agagagtaat atatggagaa gtgaaaaaaa 107580
tcaaagaaat aaaagaagaa ctcctttaag ctgaaaaata cttcaatatc ttaagtctgt 107640
gaaaggaaat taaattttag gaccccaaac tcatttagcc aaagggaaat gtcaagctgg 107700
gaactgtgtc atgcaaacct gcctcccccct tttggttcct aaataagatg gctatgatga 107760
aaagctacat gtctccacca tattttgctc acaaggaaat tcctagtgaa ccgttaaaat 107820
ttcaccatgg caatgcaaat tgatagctta tctttacaag tgcagtcacc caccagatac 107880
aaatgcatat ctgattgttc ccctgcctta cttttatctat gttctcttat gtaaaatgca 107940
gactccctgc attttttcctc tgcctcattt gtttatgtca tcttatgtta aaaaaaatgc 108000
agattcactg agccagagaa aggcatgaat aactattttt ccctgccctg ctcttacatg 108060
aaaattgtgt acttctcaat atcccgccct tttcccttta aatttggagc cctcaaaatc 108120
accttcagag aaaggcatag tgctgtctcc cgggcatgcg tccttaactt tcgcaaataa 108180
atttcctaaa atgattgaga cttgtctcgt cattttctc aatgacaagt cctaggtggg 108240
ggggaaaaaa aaaaaggaaa aagatacacc taggtatata ctgaatacat tttaaaatgt 108300
ccaagagaca ggagaaacag agacagagag aaggaaagag atgcagagag tgaacgagag 108360
aggaagaaag tggggggaggg agggagatag aaactctagg aaaagaaaca aactatcatt 108420
agatttctcc tctgtcattc tgaaaatggg aagactgaag tgtatacaca cttttttttag 108480
atcgtcatct aagcctctca tattgtcatc aatgagggca ggggaatttg tttgagggga 108540
tgggtagggg gacaggacga caagcacaga ctcagatctt acactacaca tggaccttct 108600
```

```
gaggaaatta attgaacaag ttcagctgaa caaaaattaa attagaatga atcaataaac 108660
tcctaaatac agcaaagaat atgcattata aaactacagc aaatataata gtaaacaaag 108720
aaacaaaaat atgagaggga tgttcatcac tactaccact acttgttttg ggaattccag 108780
acatggaata agaaaagaat atcagtggtg tagataatgg aaagtaagag acaaaattat 108840
taacatttag ataatatgag cacattaact aaccagactc actaacaaca aacaaacaaa 108900
aacaagtgat tagaaccaat gaaagaattc agtaagggac caacacacag taaatgtaag 108960
aaacaagtaa tttacattta tcccagcaat atttttgcaa acagaaaaat atcctactca 109020
gaacagcaaa tgctaaatgt agagtagcta gaaaggtgaa ggacctgcat gaagaaaact 109080
agaaattcta tggaagtacg ttgacacagg atctagagag gtggaaagac acgctgtgtt 109140
cctggatgga aagactgaat ctcagtaaaa tgccaacaca taacacagtt atgtgaagtt 109200
caaagtaatt ctcattatga aaaacttaag aaagaacagt gagatatgta acagacatta 109260
acatttatta gaaagttatg ataaccaaaa gctggtgctg gggtctcgag tagaaaaata 109320
ggctaacaca taaagtgcgg aaacagaccc agagactatg tatacataat acaaaactcg 109380
ccaacactta tccagtgctt tctatgtgcc tactactatt ctctgtgttt tcatggttta 109440
acctattatc tcaaacccct aaaaggaagg cactgttatt tccctcattt tacagatgag 109500
ggaagtgagg cacagacaga ttaaacaact ttcacaggac tggagaaagt gccagtaagt 109560
gtgagttgag cccagacact cgaatccaga gctcatgact gccatcctat gccagcttgt 109620
accgtgggta tcatcatccc tgtcatccaa gtcaggagga aagacatcat ccctgtcatc 109680
caagtcagga acgaatgcta ccgggagagt tccacccagg tatgtatgaa aacacgtggc 109740
aggagtgggg catggtggcg cacgcctgta gccccagcta cttgggaggc tgacgtggga 109800
agatggattg agcctgggtt agtttgaggc agcagtgaac catgatcatg ccactgcact 109860
ccagcctagg aaacagagca agactctgtc tcaaaaaaaa aaaaaaaggt agatgaatga 109920
aagctctaaa ctcaaagggg aaattataaa agtattagac aaaattacgg gggaagtatt 109980
tgtgtaacac tgggatggaa agggtttct taagcaaagg aggaaaccca aaagttatag 110040
atgtaaacaa tacatagtta ataaaataaa gaactaaaat ctcctgtggc aaaagcaaca 110100
gaagacaaat aataaatgct atacatatgt aacaaacgga tactatcctg atatagaaag 110160
agctccttta gattaataat tgaaagaaca atagggaaaa aaagcttata aataggcaat 110220
gcagtgatgc ttattagtgg tcaggggagt gcagactaaa acaaccacaa ggtcttaggg 110280
attttttagac tgtcaaacaa ggtcatcggg tactgacaaa tgtatggatg ggcaaaagta 110340
tcttttcata cacagctggt aggaccgcaa attacgatac aattttgtga aggatttttt 110400
gtcggtattt cttaagatga aaaaatgctg atttgttcca gcaatctgag ttctggaaat 110460
ggatctgcca ttaattaaag caccagtaca tcaagatgtt tgtacaaggt tggttctggc 110520
agcattgttt gtactgcaat acccaaaaca aacaaacaca tctacaaatg ggaaatgaac 110580
tgaacgtcag tgaataggg aatggctaag taaattatgg tgcattccca gaaggcaaga 110640
aatagtagca gtttaagaag gggaaaatat atgagatact atttcacacg caagaatgaa 110700
aacatctgaa gatgcgaagt gttgatgatg cagggaaaca gtgaatctca gaaacagtta 110760
ctggggtgtc tactggcaga atgcctttgg aaaacaatca gcaatatcta gaaagcttaa 110820
aaacacgtgg tctgcaaccc tgcaactcta cttcttggaa tattccctac agtaactctt 110880
ccatgagagc acagagagat gtgtgagaaa gctcactgtc gcttggtttg caacagctag 110940
aaattaaaga cagcccgcct gcccatcagc aggagagcgg acgagcgcat gggttattca 111000
gatactgata tgccatgaag aagttaactg catgaaccac atctatctgt gtcaaccaga 111060
tcctcttcaa tacttagtga tgagtgaaaa gtgcaggtca cataatgatt agattaaatt 111120
atatcgatta acaaacacct acactttgcc atttactgct gtgtgtgagt gtgcatgtaa 111180
cacagacaga tgtggtcaca gtgggagagc acaagctgtg ggctatgacc tgggtctgct 111240
tctccttctc cctgcgtggc tgagtgagta aggagggcct gcaagaagcg ccagctttct 111300
gacatagtgt ggactattct tagtcattgc tttacttcca aactctgatc tggaagcctg 111360
agaaatcttc tgagaaagag gaactccaag attgtgcaga cagtgcaaag ttcagtgttt 111420
cctgaacgga agcaaaggag ggtttctgaa aaggacagat gagtggaagg aggaagaaaa 111480
aaatgattaa atctaagaaa gggggaaacg atctcaccag aagcccctg ctgcaagatt 111540
atgataatgt taagtagctc ccagataatt gggctagttt gtgttatctt agatgagtag 111600
atagcaaagt ctaattagag ccccactaat tcatactaaa gtgttagtgg cttataacaa 111660
attaaatgaa ttttatgggc attttatctt aacccagatt cacaggccag aagtgctctg 111720
agaactggct gcagggggctt tgccataggt gtctgaaaca gggagggaag ccaaggaaga 111780
agcatagaaa caacagccct ttgggatggg aggcagagct caagcacaac gtgtgcactg 111840
caccaggtat ggaagtctgg aaacacatca tatggtgcct gagctgagag gcttgtgcac 111900
aaatactcta aaacaaatca cacatttata aacccttaac atgacccaca gcacagcagg 111960
ttactctccc acacttgatg ctaatggcat gtaagtttta tttttgattt ttcaattggg 112020
```

```
aaatagaata tataaaatat gtatggatat gtatatatgc acacacacac tcacacatgc 112080
agaaaaatgt acaaaacacc tgtacgaaca ccatccaggt aaaaaatcag aacattgtcc 112140
gtaccctcac ccccaccttt cccaatcaac cctccttcca tccccggtaa tgaccatcct 112200
cggctttatg ataatcattt tcttgttatt gtttaaggtt ccgctatgac acacctccct 112260
aaacaatttc attccaaagt tatgaattgg ccagacacgc tcctggcttc tttccttcaa 112320
cactgcgtca gtgaggtttg tccatgttag cagcagtttg ttgattttcc ttgcagtgta 112380
gaattttcct tgacaatttg tctgttctac tgtttgttgg acattgagtt gttgccattt 112440
tttggccatc atgagtaatg ctgttgtgag tatccaggcg cacatgcaca caaatttgga 112500
tcccactata ggatttctgg gtcatagatt ataatgtagc ttcagtttta tgacatattg 112560
ctaaattgtt ttccacggag gtcttaccaa cttgtcctcc tgccggtggt atatgagtgt 112620
tcccagccct ctggatcttc tttaatactc aggtgttgtc agttgttgaa gtgttgccca 112680
tctggggggca tatgtgtggt agtagcagca gttcactgtg atcttctgat ttccccgagt 112740
cctaatgaag ttgaacacct tttgtatact tgctgcttat attttgtaca gtaagtactc 112800
aaacttcttg cccattttct agtgaatgac actccccttc ttaaagattt gtaggtcctt 112860
cacatactag gaataattct cgtcaatcac tccatgactt gccttcactc tctcctggtg 112920
tctttcaatg aacagagtgt ccttatcttg agggaggcaa acttaccaat cttttccttt 112980
gtgtttaata tgttctgagt cttgtttgaa aaatcctttt agcttgagac ctggaagaat 113040
aatcacctgt agtctaaatg tcttacagtt ttgcctttaa cttttaagtc taatcaaccc 113100
caagctgagt ctcctgaatg gcaagaggtg gagtctgatt tcttctcctt ctccttcagc 113160
cctccgtgct ggctggcccc tgtcctcgag atgcatgtcc agtggcccag tgccacccat 113220
cagccgagcc ctccgtagca gacccagtac ccacatacgt gtggctgttt gttgtttctt 113280
tattctgttt caaggaatgt ttttgatgaa aaggggatg aagctaagac agttttgagg 113340
tggggcaatt gtgttcttgg tgtgggattt ctcaccccctt gacagcagtg ggtggctggg 113400
cataggggaa gaaggagcta cagggttgag ggatgctgtt gcaacttaga aaaattaaga 113460
aaaatgaaga tattgctcag ttatggcaag tgtttgatga aacagggacc catacatggc 113520
tcgtgaaaac tggttaaaga ttttttttt ttttttttt gagacggagt ctcgctctgt 113580
cgcccaggct ggagtgcagt ggtgcaatct cggctcactg caagctccgc ctcccaggtt 113640
cacgccattc tcttgcctca gcctcccgag cagctgggac tacaggcgcc cgccaccacg 113700
cccggctaat tttttgtatt ttttagtaga gacggggttt caccgtgtta gccaggatgg 113760
tctcgatctc ctgacctggt gatccaccca cctcagcctc ccaaatggtt aaagattttt 113820
gaggagaaat ttgtcaatgt atactaataa cttttactat ttggtaattt catatctggg 113880
catctgtcct aggaaaatac ttaataatgt atacaaattt cacatacaag ggttttcact 113940
ttgcttataa gaatacaaaa attagaaacc tcctaaatgt ccagggaagc tgggtgttta 114000
agtgaatgat gaggcatcca tccaatggaa tagtacatag aaactagaat aatgtttatg 114060
atgagatttt gaaaatatgg gaaaatgatt tttgctacac tgctaaaggg cagcaaggag 114120
gatgcaaagt ggtatatata gcacaatccc aaattttaaa aagtgaataa gacaaagtga 114180
aaacaattaa acatgaattt ttatgaaaaa gttcataaaa ttcataattc atacagaaaa 114240
taggtatttt tctggctcta tattattttc cttctttac ttttttgagt taaaaaaaca 114300
acccagatat actacatatt ccttgtaaga agttcaacta ttgagggata tgtagaaaag 114360
tatcacaata ttggctccca aaggccctc cacagcccag gtaacttcac tgtccatgta 114420
gaatgattcc ttccactttc ttcccttgga aggaggcaca gactcaaatg tttccagggg 114480
ccaaagcagg aaatgaaatg aaagaaaacc ttgatataga caacagacaa gtgtggactg 114540
gggaagcctg aagaatatct ctgtttactc ataagtcaat aatgatccat caaacacttg 114600
tagaggctgg atacagccca tcagccaccc atttccagag gagcactctg taatgtgtta 114660
ttatcttcca aaaagcttta ctgagataca tttacatacc attaaattca ccccttaaaa 114720
atatgctatc aaaagatttt aatatatttg cagagttgta tgtgtaacca tcattataac 114780
ccaattctga aataatctca tccccagagg acacctcgaa cccattaaca ttcactcctt 114840
gtttcccctc cccaactcct agtgctaggc aactactcac ctactaacct gactctgtgg 114900
gtttgcctat tctggacatt tcatacagat agaatcacac aatatggggt cttccgtaag 114960
tgagttttcc atttagcata ttttttgaagt tcattcagtg tttggcatct atctgtagtt 115020
catttctttt cttttctttt ctttttttga aatggagtct tgctctgtca cccaggctgg 115080
agtgcagtgg cgggatctag gctcactgca acctccgcct cccgggttca agtgattctc 115140
ctgccttagc ctcccaagca gctgggatta caggcgtgca ccaacatgcc cggctaattt 115200
ttgtattttt gtagacatgg ggtttcacca tgttggccag gttggtctca aactcctgac 115260
ctcaagtgat ctgcccgtct caacctccca aagtgctagg attacaggtg tgagcctccg 115320
cgcttggcat tcattccttt ttgatgccaa aaaatatccc attgtatgga taaactatat 115380
tttgtttatt cattcctcag ttaatggaat ttaggttgtt tctacttttt gactattgtg 115440
```

```
aacaatggtg ctataaatat gtgtgtacaa gttttgtata gacatgtggt ttcaatattc 115500
ttgggtagag gcctaggagt agaattgctg ggtcatattg tagctgggtt tcagattttg 115560
aggaaccact aaactgtttt ctgaagtggc tgcatcatct tacattccgg tagcagcatc 115620
agggttccag tttctccaca tccttggcag cacttgttac tatctgtctt ttttattcta 115680
accattttag tggttagaat tgtatcttgt ggtttttgatt tgaaatttcc tgatgattaa 115740
taatgttgag catattttca cgtgcttatt ggagattcac aaattttctc tggagaacta 115800
tttaattaaa tcctttgcta attttttaaac ggggtttttt gtacagaata ttttaaaatt 115860
gagttgtcag agttctttat atattctgga tacaagtccc ttatcagaca tatgatttag 115920
atatttctc cattctgtgg attgtctttt cactttattg atgatgtcct ttgaagcata 115980
gatctttttac attttaatga catctaactt gtctactttc ttttgctgcc tgtgctcttg 116040
gtgccatatc taagagactt tgccgaaccc aagattatga agacttactt gtatgttttc 116100
ttccaagagt gttatgttgt tagcccttac ttttagatct atcatccatt ttgaattaat 116160
ttttaaattt atctagcagc gttattgaaa tataatgcac atactgtaaa atttatccat 116220
ttaaagtgtt caattcaagg atgtttagta ttaattttta cacaatggac aaccatcagt 116280
tttagaacat tttcatcccc ggcaaaagga acactgtatc ctttagctgt cactcccatg 116340
accacttcct cattccctgc ccctaggcaa ccagtaatct actttatatc tgtacagatt 116400
tttctttttcc agaaatttca tataaaagga atcatacaat atatgatctt ttgtgactgg 116460
tttctttcac ttagcataat gttttttgaga ttcatccatg ttgtaacaag tgtcagtatt 116520
tcattcttct ttcatggtca aattatatag atatactata ttttatccat tcatccatta 116580
atggacgttt gggttgtgta cactttttga tagttacagg tcatgctgct ataatcatgc 116640
atgtacaagt ttttgtgtgg gcatatgttt ccatttctgt tgggaatatg cttaagagtg 116700
gaaatgctgt catattgtaa ctctctgttg aacagtcagg agctagcaga ctgtttccca 116760
agcagctgtg ccattttaca ttcccaccag cagtgtatga gggttctgat ttctccacat 116820
ccttgtcaac acttgttctt gtcggatttt tttattctag ccatcctagt atcaagtggt 116880
atctcattgt ggtgttgatt tgcatttcct agatgactaa tgggtccttg gagaaatatc 116940
tattcagatc ctcactcatt ttttttcattt tttaattgga ctatttgtct ttattgagtt 117000
gtaagagttc tttataaatt atggatggaa ggcccttatc agatatacaa tttgtaaata 117060
tttcttccat tctgtggttc atcttttcac tttcttgatg gtgtcctttg aaacataaag 117120
gtttgtaaat ttgatgacat cactttatca ctttatctat ttttctttttg ttgctgatgc 117180
ttttggtgtc atatcaagag tcctttgtca aatccaaagt catgaaggtt tactcctgtg 117240
ttttcttaaa agagttttat agttttagct cttacattta ggtaggtatt tgactcattt 117300
tgtgttaatt tatgtatatg gtgtgagcta aggatccaac ttcattcttt tgcatgtggc 117360
tatccagttt tgctaggacc atttgttgaa aagactattc tttctctgtt aaactgtctt 117420
gctgcttctg tcaaaaatta attggccata agtgtaaggg cttatttctg gactctcaag 117480
tctatttcat tgatctatat atctatcctt atgccgatat cacattgtct tgaatactat 117540
agctgtgtag taattttgat attgagaagt gcaagtcctc catctttgtt ttctttttat 117600
caagattgtt ttggctattc tgggtccctt ccatttccat atgaatttgc agaattgaca 117660
gcttgtcaat ttctgcaaag aaatcagcta gaattttgat aagggttgtg ttgaacgtgt 117720
acattaattt gtggggtatt gccattttaa caaaattaag tcctctgatt catgaacatg 117780
aaatgtcttt caacctattt agatcttctt taataatgtt aaacaatgtt ttgtagtttc 117840
attgtacaag tctcagacta ctttgttaaa tttattcata aatgtttact gttttttgatg 117900
ctattgtaaa ttgaactttt tcttactttt atttcacata gttggttgtt aatgtataga 117960
aaaacaattg attatcttgt atcttgcaat cttggtggtt tattagttct aataatttct 118020
tttggtgaat gccttcagat tttctatata taagatcatg ttatttgtaa attgtggtag 118080
ttttacttac tgtactccat tgtgggtgcc tttacttatc tttttattcc ctaactgagc 118140
tggctagacc ctccagtaca atgttgaata gaagtagcaa aagtgaacat ctttatcctg 118200
tttctggatt cagcctttca tcattaagta taatgttaac tgtgaatttt cttttttttgt 118260
gtatgtgggg ggacggagtc ttgcttgtca ccatgctgga gtgcagtggc atgatctcag 118320
ctcactgcaa cctccgcctt ctgggttcaa gtgattctcc tgcctcagcc tcctgagtag 118380
ctgggactac aggcgcatgc caccacacac agctactttt tgtatttttag tatagacggg 118440
gtttcaccat gttggccagg atggtctcaa tctcttgaca tcgtgatcca cccgccttgg 118500
cctcccaaag tgctgggatt acaggtgtga accaccacgc ccagcctaat tgtgaatttt 118560
caaacctta tcaggttgag gacatttttct tcaattccta ttttttgagt gttttatcat 118620
gaatgggtgt tggattttgt caaatgcctt ttttgtatgt ctattgaaat gattatgtac 118680
tttgtttttgt tttgttattt actctattga tatggtgaat tcaattaatt gattttttgga 118740
tgttaaacca actttgcatt cctgggctaa atcccacatg ttcatattgt ttaatgcctt 118800
ttatatactt ctgggttagg tttgctagta tttcgttgaa aatgtttata tctatattgc 118860
```

```
taagggatat tggttttatag ttttcttgtg atgcctttag ttttggtata atatgggtat 118920
gagacaatga attgggaagt gttccttcta tttcttaaaa gagtttatgc aagatcagta 118980
ttaattcttt aaatgtttga tagaattagc cagtgaagct atctgggtct gggcttctat 119040
ttgtgggaaa ttttagaatt agtaattcaa tctcctttggt tgtgattgtt ttattcagat 119100
taactatttc ttcatgagtc agttttggca gtttgcgtct ttctaggaat ttgcgcattt 119160
catttaacta gtttgttggc atgcaattgt tcatagtatt cttttttatt aattttaatt 119220
tctgtattga ttttccctca ttttatgagt ctcattttc cttttttatt cattttaatt 119280
tctgtattga ttttctctta ttgctcattt taatggtttg aatcctctgg tcagttggct 119340
gaagagttgt caattttatt gctgatcatg tatcactttt ataattgaat tgttataaga 119400
agacataaga agtaagaggc aacccctaca atggagaaca ttaaggtaca ctcaagcttt 119460
tctgcccatt cttcctacat gccaatatgg ttgatccaaa gttattttca ttactctcct 119520
ctccatctct tgtctggagt tgtaggtaag gtgaagtttg gggattgtgc acccacactg 119580
ggagctggtg ccttggtgac tttccagcag tgacaggcca tacactgtgg aaagggttta 119640
tttcatacca tgctcttgag atagaagaaa ccatggcccc gtggccactc gatctgatgt 119700
cataactcac cgatattgtt tttgccgtgt ttccagttct ttacgtcggt gttgcttgag 119760
aatgtgaatt tggtcatctc gggccaactt tgctgtaaag aaagaacaac atgagaggag 119820
cctgaggaag aacaataaca atgcccaatg ccaagtgttc aggcttccct cagatgccct 119880
gcccatgccg agtgctttat gtgcatgacc tcatttgagc ctcagagcac ttccccaatt 119940
aatgatgaag aaactgaggc ttagggaagt tgtgtagctt tgctcttgaa ctttacccaa 120000
ggtcacacac ctaattagtg aattttcttt tttttttttt aattctactt taagttctag 120060
gatacatgtg cacaacgtgc aggtttgtta catatgtata catgtgtcat gttggtgtgc 120120
tgcacccatt aactcgtcat ttacattagt tatatctcct aatgctatcc ctccccctta 120180
cccccacccc atgacagacc ttggtgtgtg atgttcccct tcctgtgtcc aagtgttctc 120240
attgttcaat tcccacctat gagtgagaac atgtagtgtt tgtttttttg tccttgcgat 120300
agtttgctga gaagggtgat ttccagcttc atccatgtcc ctacaaagga catgaattca 120360
tcctttttta tggctgcata gtattccatg gtgtatatgt gccacatttt cttaattcag 120420
tctatcattg atggacattt gggttggttc caagtctttg ctattgtgaa tagtgctgca 120480
ataaacatac gtgtgcatgt gtctttatag cagcatgatt tataatcctt tgggtatata 120540
cccagtaatg ggatggctgg gtcaaatggt atttctagtt ctagatccct gaggaattgc 120600
cacagtgtct tccacaaagg ttgaactagt ttacagtccc accaacagta taaaagtgtt 120660
cccatttctc cacaccctct ccagcacctg ttgtttcctg actttttaat gattgccatt 120720
gtaactggtg tgagatggta tatcattatg gtttgattt gcatttctct gatggccagt 120780
gatgatgagc attttttcat gtgtctgttg gctgcataaa cgtcttcttt tgagaagtgt 120840
ctgttcatat ccttcgccca cttttgatg gggttgtttg ttttttcttt gtaaatttgt 120900
ttgagttgtt tgtagattct ggatattagc cctttgtcag atgagtagat tgcaaaattt 120960
ttttcccatt ctgtaggttg cctgttcact ctgatggtag tttctttttgc tgtgcagaag 121020
ctctttagtt taattagatc ccatttgtcc attttggctt ttgttgccat tgctttttggt 121080
gttttagaca tgaagtcctt gcccatgctt atgtcctgaa tggtattgcc taggttttcc 121140
tctagggttt tgatggtttt aggtctaaca tttaagtctt taatccacct tgaattaatt 121200
tttgtataag gtgtaaggaa gggatccagc ttcagctgtc tacctatggc tagccagttt 121260
tcccagcacc atttattaaa tagggaatcc tttccccatt gcttgttttt gtcaggtttg 121320
tcaaagatca gatggttgta gatgtgtggt gtcatttctg agggctctgt tctgttccat 121380
tggtctatat ctctgttttg gtaccagtac catgctgttt tggttactgt agccttgtag 121440
tatagtttga agtcaggtag catgatgcct ccagctttgt tcttttggct taggattgtc 121500
ttggcaatgc gggctctttt ttggttccat atgaacttta acgtagattt ttccaattct 121560
gagaagaaag tcattggtag tttgatgggg atgacattga atctataaat taccttggga 121620
gtatggccat ttttatgata ttcattcttc ctatccatga gcatgggatg ttcttccatt 121680
tgtttgtgtc ttcctttatt tcgttgagca gtgatttgta gttctccttg aagaggtcct 121740
tcacatccct tgtaagttgg attcttaggt attttattct ctttgtagca attgtgaatg 121800
ggagttcact cctgatttgg ctctctgttt gtctgttatt ggtgtataag aatgcttgtg 121860
attcttgcac attgattttg tatcctgaga ctttgctgaa gttgcctatc agctttaagg 121920
agattttggg ctgagacaat ggggttttct aaatatacaa tcatgtcatc tggaaacagg 121980
gacaatttga cttcctcttt tcctaattaa atacccttta tttctttctc ctgcctgatt 122040
gccctggcca gaacttccaa cactatgttg aataggagtg gtgagagagg gcatccctgt 122100
cttgtgccag ttttcaaagg gaatgcttcc agtttttgcc cattcagtat gatattggtt 122160
gtgggtttgt cataaatagc tcttattatt ttgagatacg tcccatcaat acctaatttaa 122220
ttgagagttt ttagcatgaa tggttgttga attttgtcaa aggcctttttc tgcatctatt 122280
```

```
gagataatca tgtggttttt gtctttggtt ctgtttatat gctggattac atttattgat 122340
ttgtgtatgt tgaaccagct ttgcatccca gggatgatgc ccacttgatc ctggtggata 122400
agctttttga tgtgctgctg gattcggttt gccagtattt tattgaggat ttttgcatcg 122460
atgttcatca gggatattgg tctaaaattg ttttttttgt gtgtgtatct gccaggcttt 122520
ggtatcagga tgatgctggc ctcataaaat gagttaggga ggattccctc tttttctatt 122580
gattggaata gtttcagaag gaatggtacc agctcctcct tgtacctctg gtagaattcg 122640
gctgtgaatc catctggtcc tgaacttttc tgggttggta ggctgttaat tattgcctca 122700
atttcagagc ctgttattgg tctattcagg gattcaactt cttcctggtt tagtcttggg 122760
agggtgtatg tgtcgaggaa tttatccatt ttttctagat tttctagtta atttgcttag 122820
agttgtttat agtattctct gatggtagtt tgtatttctg tggaatccgt ggtgatgtcc 122880
cctttatcac tttttattgc gtctaattga ttcttctctt cttttttttt tctttttttt 122940
taattgatca ttcttgggtg tttctcgcag agggggattt ggcagggtca taggacaata 123000
gtggagggaa ggtcagcaga taaacaagtc aacaaaggtc tctggttttc ctaggcagag 123060
gaccctgcgg ccatccgcag tgtttgtgtc cctgggtact tgagattagg gagtggtgat 123120
gactcttaag gagcctgctg ccttcaagca tctgtttaac aaagcacatc ttgcactgcc 123180
cttaatccat ttaaccctga gtggacacag cacatgtttc agagagcaca gggttggggg 123240
taaggtcata gatcaacagg atcccaaggc agaagaattt ttcttagtac agaacaaaat 123300
gaaaagtctc ccatgtctac ctctttctac acagacacag caaccatccg atttctcaat 123360
cttttcccca cctttccccc ttttctattc cacaaaacca ccattgtcat catggcccgt 123420
tctcaatgag ctgttggcta cacctcccag atggggtggt ggccaggcag aggggctcct 123480
cacttcccag taggggtggc caggcagagg cacccctcac ctcccggacg gggcagctgg 123540
ccgggcgggg ggctgacccc cccacctccc tctcggacgg ggcggctggc cgggcggggg 123600
gctgaacccc tcccctcccg gacggggcgg ctggccgggc ggggggctga ccgccccca 123660
cctccctccc ggacagggtg gctgccgggc ggagacgctc ctcacttccc agacggggcg 123720
gctgccgggc ggaggggctc ctcacttctc agaaggggcg gctgccgggc ggaggggctc 123780
ctcacttctc agatggaggg gctcctcact tctcagatgg ggcggctgcc gggcggaggg 123840
tctcctcact tctcagacag ggcggccggg cagaggcgct cctcacctcc cagacagggt 123900
ggtgggcag tggtgctccc cacatctcag atgatgggcg ctgggcaga gacgctcctc 123960
acttcatccc agacgatggg cggccaggca gagacgctcc tcacttccta gacaggatgg 124020
cggccgggca gagacgctcc tcactttcca gactgggcag ccaggcagag gggctcctta 124080
catcccagac gatggtggc caggcagaga cgctcctcac ttcccagacg gggtggcggc 124140
cgggcagagg ctgcaatctc ggcactttgg gaggccaagg caggcggctg ggaggcggag 124200
gttgtagccg agccgagatc acgccactgc accccagcct gggcaccatt gagcactgag 124260
tgaatgagac tccgtctgct atcccggcac ctctgggagg ccgaggctgg cggatcactc 124320
gcggttagga tctggatatt agcctgttct acacagtgaa tctccgtctt taccatttta 124380
ttatgttata ttagttctgc gtggtggtgc gcacctgtct ctctcatgca ctcggctatg 124440
ctgtagcatg acaatccgtc agtgttgttg tttcgactct tgagtcgcct cgacactcag 124500
tcttggtgct ccttatcata tggagatcgt tggtcgtcgt ttcttgtttg ggttttgctt 124560
gtgcctttc tgtttattgt atcgcttatg atcgtgatgt tgtcttagtt gcttgttggt 124620
ctctagtgtg tttttttgtgt tgtatcttgt tcttgcgttg agtgggttgg gcgttggccc 124680
gaggctttct tttggttctg tggtgtctct gacgttttgt tgctctnnnn nnnnnnnnnn 124740
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 124800
nnnnnnnnnn nnnnnnnnnn nnnnnntaga tttggacgtt atgttttgag tattttattt 124860
gattgggtat ggttagtagt attgaggggc atgtgggtta attaggtttt gtatagatta 124920
tatttatttt atttattgta ttttaatgat tagatgttgg ttttaacgtg atagatggtg 124980
ggtatagatt atagatgtga gtcggtgagc tatatgggat aggtaggttg ggtgtgtcgt 125040
gcttctcgcg gcctctctca gcagtgtgct tcggcctcga gaccaccaac tcaacatcac 125100
gtccatctca tttcgcgcta cgacacactc atgtctgtac gcacgagtgt atcttctcgc 125160
gagcgcttct gtctggcgtg ctggggggc gtggggggg gggcggggc gggggagat 125220
aggacgtgga agaggagaga tggcagaggg gagatggcag agggagagct gaatcttctc 125280
ttttcttctt tattagtctt gctagcagtc tatcaatttt gttgatcctt tcaaaaaatc 125340
agctcctgga ctcattgatt ttttgaaggg attttttgtgt ctctacctcc ttcagttctg 125400
ctctgatctt aattatttct tgccttctgc tagcttttga atgtgtttgc tcttgcttct 125460
ctagttcttt taactgtgat gttagggtgt caattttaga tcttccctgc tttctcttgt 125520
gggcatgtag tgctataaat ttccctctac acactgcttt aaatgtgtcc cagagattct 125580
ggtatgttgt gtctttgttc tcattggttt caaagaaaat ctttatttct gccttcattt 125640
cgttatgtac ccagtagtca ttcaggtgca ggttgttcag tgtccatgta gttgagaggt 125700
```

```
tttgagtgag tttcttaatc ttgagttcta gtttgattgc actgtggtct gagagacagt 125760
ttgttatggt ttctgttctt ttacatttgc taaggagtgc tttacttcca actatgtggt 125820
caatttcaga ataggtgtga tgcagtgctg agaagaatgt acattctgtt gatttggggt 125880
ggagagttct gtagatgtct attagctccg cttgctggag agctgagttc aattcctgga 125940
tatccttgtt aactttctgt ctcattgatc tgtctaatgt tgacagtggg gtgttaaagt 126000
ctctcattat tattgtgtgg gagtctaggt ctctttgtag gtttttaaga acttgcttaa 126060
taaatttggg tgctcctgta ttgggtgcat atacgtttcg gatagttagc tcttcttgtt 126120
gaattgatcc ctttaccatt atgtaatggc cttctttgtc tcttttgatc tttgttggtt 126180
taaagtctgt tttatcagag actaggattg caacccctgc ctttgttttc catttgcttg 126240
gtagatcttc ctccaatccc tttattttga gcttatgtgt gtctccgcac atgagatggg 126300
tttcctgaat acagcacact gatgggtctt gactctttat ccaatttgcc agtctgtgtc 126360
ttttaattgg agcatttagc ccatttacat ttatggttaa tattgttatg tgtgaatttg 126420
atcttgtctt tacgatgtta gatggttatt ttgctcatta gttgatgcag tttcttccta 126480
gcattgatgg tctttacaat gtggcatgtt tttgcagtgg ctggtaccag ttgttcattt 126540
ccatgtttag tgcttccttc aggagttctt ttagggcagg cctggtggtg acaaaatctc 126600
tcagcatttg cttgtctgta aaggatttta tttctccttc acttatgaag cttagtttgg 126660
ctggatatga aattctgggt tgaaaattct tttctttaag aatgttgaat attggccccc 126720
agtctcttct ggcttgtagg gtttctgccg agagatcagc tgttagtctg atgggcttcc 126780
ctttgtgggt aacctgacct ttctctctgg ctgcccttaa catcttttcc ttcatttcaa 126840
ctttggtgaa tctgacaatt atgtgtctcg gagttgctct tctcaaggag tatctttgtg 126900
gtgttctctg tatttcctga atttgaatgt tggcctgcct tgctagggtg agcaagttct 126960
cctgcataat atcctgcaga gtgtttccca acctggttcc attctcccca tcactttcag 127020
gtacaccaat cagatgtaga tttggtcttt tcacatagtc ccatatttct tggaggcttc 127080
gttcatttct ttttattctt ttttctctaa acttatcttc tcgcttcatt tcattcattt 127140
gatcttcagt cactgatacc ctttcttaca gttgatcgaa tcggctactg aagcttgtgc 127200
attcgtcaca tagttctcgt gccatgtttt tcagctccat caggtcattt aaggacttct 127260
ctacattggt tattctagtt agccattcgt ctaatctttt ttcaaggttt ttagcttttt 127320
ttgcgatggg ttccaacttc cttctttagc tgggagaagt ttgatcatct gaagccttct 127380
tctctcaact cgtcaaagtc attctccatc cagctttgtt ccaccactcg cgaggagctg 127440
ccttcctttg gaaggggaga ggcactctga tttgtagaat gttcagcttt tctgctctgt 127500
ttttccccat ctttgtggtt ttatttacct ttggtctttg atgatggtga cgtacagatg 127560
gggttttggt ggtgtggatg tcctttctgt ttgttagttt tccttctaac agtcaggacc 127620
ctcagctgca ggtttgttga tgtttgctag aggtccactc cagaccctgt ttgcccgagt 127680
atcagcagca gaggctgcag aacagcgaat attgctgaac agcaaatgtt gctgcctgat 127740
tgctcctctg gaagctttgt ctcagaggtg tacctggcca tgtggggtgt cagtctgccc 127800
ctactggagg gtgcctccca gttaggctac tctggggtca gggagccact tgagggggca 127860
gtctgtccct tctcagatct caaattccat gttgggtgaa ccactagtca cttcaaagct 127920
gtcagacagg gacatttaag tctgcagagg tttctgctgc cttttgttcg gctatgacct 127980
gcccccagag gtggagtcta cagaggctgg caggccttct gagctgcgat gggctccacc 128040
cagttcgagc ttgctggcaa tgagcaaggc tctgtgggca tgggaccctc cgagccagac 128100
atgggatata atctcctggt atgctgtttg ctaagactgt tggaaaagta cagtattagg 128160
gtgggagtga cccaattttc caggtgctgt ccgtcaccac ttcccttggc taggaaaggg 128220
aattccctga ctccttgcac ttcccaggtg aggtgatgct cacactcaat gggctgcccc 128280
cactgttctg cccccactgt ccaacaatcc ccagtgagat gaacccagtg cctcagttgg 128340
aaatgcagaa atcacccatc ttctgcattg ctcatgttgg gagctgtaga ctggagctgt 128400
tcctattcgg ccatcttgga accagtctga attagtgaat tttcaacata aaactcaact 128460
cctgtgctct tagccactca ctttacaaaa gccaaatcca gttcctcatc ctcttgccca 128520
ctcactcagc aagccttggg gcccctgcct ttcagtgctt agagaatcat gttcagatgc 128580
aagagccagg cttggttctc actgggcttg gcaggcacag tacatgccta actctggcct 128640
gcgtgtgcat ttccacttga ggtcctaacc ttccactcag cccctcaaga ctcttcaggg 128700
acctaagggc ccctggtgca gagctgcctt tttgctccag gagaaaggca tttcgtggcc 128760
cttggtgggt atctttaaat cactgcagaa tagtttactc ctcttctctg aaattcttat 128820
actgagcaaa aacgggagtt cactctgggt tttagtgttg cctgtgagag cagcagttct 128880
cacagctctt atgtttctaa gtccatttca ttgtttcatg gagaaatgtg tgacgatgac 128940
acaacccggt ttcctgtcgt gcctacacag aggattgaga atgagctcca ttctaaaaga 129000
gtgcagtgtc ctagatggct ttagaagaga cacatgtgct tggacttggg ctctgtcact 129060
gaagctgtgt gaccaagagt tgccctgacc ccctcacatg taaaatggag atgataatgc 129120
```

```
ctacttctcc gggtcatggt gtgcatttgg ggagagaatg caggaaagcc ctccacacgg 129180
cgcctggcac gcagtaaatg ccaatggatg ggaacaatga tcattatcat tatgcctata 129240
gtcatcactg gcctgagggt tctgctcctc cctctaagcc tagctctgag agcatcttat 129300
ctctcagcct gtcctgctgc cgtctctcac tgcaggagtt ggagcaggta gcaggtagct 129360
aagggcgggg ctgcttctca gagcctttag agcagatgag gtcatatcat gaccactctt 129420
taaactattg cttaaggcca agcctgtgaa cgcagcccat agagctgtga atagggggag 129480
cccagatctc ctgaaaacag gtcctggaat agtttctcta gctctcgtgg taaagcattg 129540
tgttttaaaa cttactttc aacacagatt attatatttt tgtaaaatat aataaaaatt 129600
aattactaga aaaatgaaat tttaaaaacc caaagatatt caaaatccaa gtctttttt 129660
ttcttattag gtgcaaaagt cacaaaattg ttctgttaag ttgctataaa agtttctaaa 129720
acccctcctc tgagtctttg tattttattt tgtatttatt ttatttttat ttttttaag 129780
agacagggtc tccctctgtc tcccaggcta gagtgcagtg gcatgatcat agctccctgc 129840
agccttgaac ttcaggactc aagtgattcc ccaacctcag cctcctaagt agttgggact 129900
ataggcacac accaccacac ctggctaatt tttttttttt ttttgagaca gagtcttgct 129960
ctgttgccca ggctgggta cagtggcatg atctcagctc actgcaagct ccacttccca 130020
ggttcacgcc attctcctgc ctcagcctcc caagtagctg ggactacagt tgcccaccac 130080
cacatccagc taatttttg tatttttagt agagacgggg ttttactgtg ttagccagga 130140
tggtctcgat ctcctgacct tgtgatccac ccgcctcggc ccctagctaa ttttcaattt 130200
tttttgtaga gatggggtct ctctacattg cccaggcttg tgacaaaatc ctagactcaa 130260
acaatcctcc cgccttagcc acccaaagtg ctggaactat aggcttcaac ctctgtactg 130320
atctaattgc agacctggac gcagttagtt ctcagatgac actcaggcca cattctgagc 130380
tgtccacccg acagcacttc caggctgaga catcttcatc cttgagcttg gaactggggt 130440
ccaaaaagga atattaacgg gatacctctg catcctcccc tggggatgta aagccagcca 130500
ggaggggagg cttgaggcca cagaaggcaa gctgagtatt aatggtgaca ataactgtta 130560
tcattggcta tgggggtaat tctggaggca ctcaacattc atcatctctt atctacctta 130620
aggaaccagc taatctcttg ggcaccttga ctctgaggag ctggatctct tcagtttcac 130680
tggtatgaat aagtcagtac atgcggaatt gcaacatgcc aagtttcaaa aagagaatag 130740
ttctgtctcc cctggtcccg aaggtgtttg aagaatttat ccaatggctg atgaagttct 130800
gggagcacag caggatgaga aagcctggac tgacggcaga agagctcagc agggcaggtt 130860
ccaaggactg acacagtgcc ttaatgaagc tgtcccttca cacagatgct ctggatctgt 130920
ggggccacag taatggccct ctgacattca tgttcaccca aggtgtagtg gtgaaatatt 130980
agatttaagg ggtgatcata tggtgagtaa ttgaatcact tgtaggctgg ccccctcat 131040
ttccaggttg ttcaagggat tggttgtttt gccatgtggt ggattaataa ttggccacag 131100
ctggacatgg tagctcatga ctgtaatccc agcactttgg gaggccgagc cgggtggatc 131160
acctgaggtc aggagttcca gactagcctg gccaacatgg caaaacccctt tctctagtaa 131220
aaatacaaaa attagccagg cttggtggct acctggagcc tgtaaaccaa gctccctagg 131280
aggctgaggc aggagaatcg cttgaacctg ggaggcagag gttgcagtgg ctgagatcg 131340
tgccactgcc ctccagcttg ggcaatagag tgagactctg tcccaaaata ataataataa 131400
taataataat aggcacaaa ttctttgaca ttccttccat tgagagatgg ggggtctgc 131460
atccccaccc ccacccccgg agtctgggtg ggctctgtga ctgcttggac cagtagaata 131520
tgatggaagt tacagtgtgc cagtttccag gcccaagcct gaagagattg gcagcttcca 131580
ctttctgtct cttagaaaac ttgctcttgg aagccagcca tcatgtaaga aatgcaggca 131640
cccagaggac accattctgt gagaagcctt aaagaatgag actccatatg gacagagagg 131700
ccaaggagcc tagaggtgcc agacacatga cagaagaagg cccagccccc ttcagctgat 131760
gctacatggc cacagatgaa ctgcccagtg aagcctttcc taaattcctg acctgcaaga 131820
gcatgaacaa aattaaatgg ctgtttaaag ttaccaagga ggttggtttt acagcagtag 131880
agagaatgga acttgctgga cagcttctct atgctcaccc tccaacctgt gctgtccctg 131940
aaagtgattg gaatgagatg cctcaatggg ttttccactg ggaactctga ccagaaagga 132000
gggaatgtgt agaggaagga gaggccaatc actccccaga acctttctac tgagggccgc 132060
agctcctcca agggtgctgt ctccaggata cttctgcatt actcccacaa ccttccccct 132120
ccccctgcat caggactagt ggtgctgatg gccccgcact ctgcatggtc cctctgcaca 132180
tgggcccaca cctttgtgat gccccttgt taaaccctca tcctagtgta ccatctgttt 132240
tttgccaaga tgagctgaag ggtctgcagg aagaagggct tcataaccga gaccttgggt 132300
agatgtgcag gagggagttt cagagccagc attttctaac taccagaaaa agagaagtgc 132360
cctgtccaca accttccaca ttctgttgac cacaggaata aatgaacttt gtgattttt 132420
ttcctgtcat taggtagggg gacaaaaatc ctcttaactc catgttcaga aatattctgg 132480
aaatttggtt tcttaagtca aattccacat cagaaacgat gggatgtggc ctggtagctt 132540
```

```
aagaacagca ggtacagaat aacttttttc tcctttgtct cagttttctt agctataaaa 132600
tgggggtaac agtcatctct tcctacctac cccaccaaac ttcgtgaaga acacactagc 132660
tacaggaaac ttggcaaaga gaaagagttt gacgctgtca tggcagaagc agtggctttc 132720
tcttattacg gtggctgcct ggcctttgaa ggcttatctt tccaggttta aactgagagc 132780
aagctgaagg gttatgactc gaagtgaggt aggattttgc caggcacact aggaggctgg 132840
gtatgcaagg tggttcattc agggagcctt ggctgacctt gacgcctgcg tccgtctctg 132900
atgctctgta ccaggtcagc tgtgtgtccc taacaaagaa tggcctccta actggggtct 132960
gcacatctgg gcatcttagt aaggggaaca gatttgaggt tcttctttct ttcagcgaaa 133020
ggtgagactt cgggttgaag aactggtaac tgtgatttgc aggcttgtcc atggctcctc 133080
agagctggca cttggggtgc tccttgtcca cccccttccct ccctaggccc acatggggca 133140
ccctgagctt gcctgagccc tactgtgatc tcacggaggg caggctatga actagaaagt 133200
gatgccacac cctggcaact agagaagtgc ccatccaggg gcatgtccca taggtatctg 133260
cctgtatgga ccctagttac ccactgacaa aaagaggggc acaaccctcc cctgtagaac 133320
tgtagcgcag agtgaggaca tgacgacagt gaggcctggg gccacccgct ccaccctcag 133380
gggcttgtaa gaatcccaag gaaagtcatg cctcctgcag gtgtgtcgag gcacagggca 133440
gagccctccc acttcccgcc cctgcacagc agtgtcattc ctcctatgac tacagtgctt 133500
tgaggacagg aagaactttc ggttcttggg aagcccgggg cagaaggggc ctgagctgct 133560
caccgcgtcc atccctcagg acaacctcga catcgccggt gatccagcgg tagcagggga 133620
actcgatgta gtccccgtgg ggcgtcttca gcgtgatgta cttcaggtac cagtcgtcat 133680
tcagccagta cttgcgcttc tcgattctga ccagctggat ctcgccagt tcctcgtcca 133740
cagtcacgtc gtatgaatcc acctgggaag gagaacaggc aatcaggcca tgcgtggtct 133800
cctgagcctt tgttctggag gtgttaagaa tttgtcaccc caaggtatgc tgctgtggca 133860
cagggactac gttgaatgaa aagcacttaa aaaaacagca ggtgcaagat actctgacat 133920
tcgtgctgtt tcttagaagc aggagatgaa agtcccctat gaaagatgtc ctcactatac 133980
caaaaggaaa gtaacactct tttcatcaag gttgggaagt tgaagccaaa ggaaatccat 134040
acaaacagat cttgtacaat gaacgcttac ctcccgagtc acttccctgc ccagttacct 134100
gccctagccc aagccccttg gccttatcac atctcacgat gattcattca atgcagtatc 134160
taaggggat tgactctaac tgcttcttgg ggtcttcatc tttttaagag ggctcccatg 134220
ccacgtacaa cttgtattaa agaaatctgt aggctttcgc ccatgaatct gtcttatgcc 134280
gattctcaga cctagctgaa atgggaagag gtggagtttt gcctccacta cagttcatgg 134340
agccaagatt cttcatgaac accttaaatg aactcctgaa ttcatttacc caagacattc 134400
actgaaggcc tgcccctgac aaggctcagt gctacgaccc aggcaggtga aagaaatgga 134460
caaatcctgg gccctgccct tgaggagaga gaatccagtg agccaggatg gtgctgtgct 134520
gctcagaggg caacgcctgc tgactgcact tagctcaggc tggaggatgg ggagatgccc 134580
aggctcatgc ctgcacctgc gaggctgtgc ccagtgaggg tccgcagctg cccccacatg 134640
ggatagcctt gtgggagacc tttacaactg gagatgggct tgctgacagt ggatccccac 134700
aatgactctg ggagtgcagg ggagttacca cccccttccac agatgaagac agcgaggctc 134760
agtgactccc acctctgcca cttgccagca gagctggagt cacaccccag gtctttccat 134820
catagccact tcctctcttt ccagtttca gtggggataa taagtgagtg aaaatggtga 134880
ggcttagata cagggagctt gcatggattc gagtcgtcct gggacatttg cagttcacag 134940
ctgcatggtg atgcccagag aacagtgaga ccaagcagct ctgctgcacc tgtggcatta 135000
ctggtggcag ggtgaggcta gccttgcagc tagaaggcac caccccaggc tgtgtacagc 135060
gcagctgccc aggcctctgg gacaaggctg cttggccccc tccctgccag gctcctgctt 135120
ccaggacaca ggcggctctg aggcaacagc catagcttct ggagggcttt tgtctctgca 135180
gcaatggatg gcagacagga agttgggatg agaggctcag gcattgcatc acgcattctg 135240
atgaccagca ggtttggaaa gccccggact cgatgccctc caaggcatgt tctttttat 135300
tttgaggtgg agtctcactg tgttgctcag gctggagtgc agtggctcga tctcggctca 135360
ctgcaacctc cacttccagg gttcaagtga ttctcctgcc tcagtctccc aagtagctgg 135420
gactacaggc acctgccacc acatctggtt aagttttgta ttttcagtag agacagggtt 135480
tcaccatgtt ggccaggctg gtctcaaact cctgacctca agtgatccac ctgcctcggt 135540
ctcccaaagt gctgggatta caggcatgag ccactgtgcc tggcccctgc aaggcacttt 135600
ctaagccaga ttcatcaacc cttgaacttt atccctggcg gcagaaccta gagttctcag 135660
catgatggca aagtggaagg ggcgaggggt atcatccttt gtgcgagcgc aggcatcccc 135720
attccatgcc ctgcctccaa gctgccagga ggacccctgg agggcttcct aagaggaatg 135780
ggaacttgag tgttttccac aaacctcctg gctctgaata ccgtgagcag tttgggggtgg 135840
ctgacgctga ggccagacgc ttgtggtcag aaagcggaag cttcctccct gtgctctgta 135900
gtctaggcca gaggccctag gaacagtttc tgatgacaga ggagccaggc ccatgtgggtg 135960
```

```
ggatgacatg tcttgggtcc agccacatgt ggaccagcct cggcccacg acaatgcccc 136020
tcctgcaggg agagtatcag cctcatctgc cacctctgag aaagccttcc tgccacagct 136080
tgtcctcagg agagcagggc cacacacaag gcctcgccca tcatggacag ggtgggcagg 136140
ttctgatggg acaggagtct cagcatctca ggggctcggg cccatctgga ggagcagagt 136200
gggggctgag tggcccagga ctggatacgc gtcgggcctg ccccacgcca ggccctgcat 136260
gccacaggga tttacagagg ccttagctgc aggttgtgag ccaagacaga gattcctgat 136320
cccaccgagg agtggggaga gggcagtgag gggtagaagg ctcggtgggc cctggggtct 136380
ggagctctga attcacatcc cagcttcagg caagtagctg gatggcctgg gcacattgct 136440
tcattctctg aagctgtttc ttcatctacc caaaggagat acccctcact tgcaggacca 136500
ttgagaaaat gaaatgacac catcctgggt ggcctccttt ctccagaggc acaggccacc 136560
ggttgtgtgc atcagaacca ccagtgcccc ttcctgaatc caggggggttg cagggcacca 136620
ggccccacac cgcctgtgag ctagcatggg cccctgcgtc acggccactt cgtgactaca 136680
tgtgccaatc cgagtaactg gagcacacat gggaggagga aactgaacct gtgacctcaa 136740
actccttcac tcaaagccca gaaggaactc ctgaaaggct ggagacaggg ctgtgaggac 136800
agagggagag tgggaggcat tctgaatgct ggtggggcag gcagagcaag tctgtgtgcg 136860
gtgaggactg aggggcggcc accagaggcc cgggcctggt ctgagtgtgg ctgctgcagg 136920
ggaagtagct ttcctatggc tctgaggggc tggagaggga ggaaggtgtc cccagggat 136980
agatgacagg aaagctgggg tggggtggga ggagctaaca gggacactct catgggaggg 137040
aggctcccag taccttggac taagagggga gggagatggg ctgaggaggc attccaggac 137100
tgggcaggtc ccacagggag ggcccgatgt ctacctgggg gtgacgaccc acacgaagag 137160
actgagcagc ttctctgagg gagtggacag tggggtgacc ctccagcaca cctgtggtgc 137220
agtcacaggg gactgggaca ctcctggccc cctgccctac ctacacctgc aggcacctgg 137280
tggagagccc ctgagtttca cttggggtga aatcactagg cagatttaca aggactccat 137340
ctgccatctg acagggactt ccacagcagg aggggggccag gcctgcagtc tggctggtct 137400
atggccagcc cagccacttt cctggtgctg gcttcaagcc tgaatatgat aagaggtgaa 137460
caaggggcag agggctccag ccttgaccca actcagggag taaaagacaa agcttgatgg 137520
ctgtggttct aacatcccag gggccactaa tggaagaatg acagataaag gcctccttcc 137580
aggaaaatac cagggtcaca tgtgtcaaac tgcaaaatat cttcggaagg tttgtggaac 137640
tacaatggcc accttcctcc ctcctctctg ggccaagtac actgggctga tgctatattt 137700
gtctatttgc tgtgacacat taaattctca ggtgacacac tgaattatgg tgggcactat 137760
caacagtgga cacccccaa caggccctca ggaagcactg ggcctgggaa tggccgagcg 137820
agtgattatc ctgctttaca gatagaaact gaggctcaga gagcaatggt ggcctcaaga 137880
tcagaaccta cacctgtgtg atggccaagc ccaggttcct cccacagttc cccaaggcca 137940
catcttgaga aaagccctga accggaagct agaaggccca gctttgagcc ctggtttgta 138000
ccctggatgg agtgtaaagg ggcaatgtgg agtggcatgg aaggacaggg aaaagcttca 138060
taagagggta tttcaggcag cttttaggg ctgatcagat ttcagaggge agatgagtag 138120
gaggatgggc atgggtagca catttcagat gtggggaact gggagggcag ggtccccggg 138180
ggattcacac gtgggaggag gaaggctgga cacagtttct ggggacagaa gtgggtggcg 138240
tggtggtgca gatgctggag agaaacaagg gaaacctgca actcaccggc ctcatttcac 138300
aaggggccac tttgctgatt ttgcttgttg cttttaactt tttattggat atgtagtttt 138360
aaagcttttg aatatttcgg caaagagtca gttggtcagt tttcatgtga gctttctatc 138420
agcattttag gaaagttttc atctgtcttt catcagatct ctgctgttgc tgggacaggg 138480
agacggatct ctctgcggaa gcaaggatgt gtgccccacc cccagactac ccatcttgga 138540
gggggactaa tgaggggctg tgggaggagg aagctgtaga gcagagagga agattggggg 138600
ccagacaaaa cagagactcg ggatgagaga gggggaggct atggggaaga gctgaggaaa 138660
acaagggacg gagagaggga ttggggtagt ggatagggag accaaggggc agagaagggg 138720
gaaaatgtgg gacagagagc cggagattga gggagcagag aaggggcctc tgagaggtgg 138780
ctggaagaca gagtgtagag gaaaattcag agcaaaaaag aagggagagt tgtagggtag 138840
agagcagaaa cggggggcat ttagggaact gggagcaggg gaaggaagag gaggcagaag 138900
aggggcaga atgtagggaa aagatggctc agaggggag actgggagat gagagacgga 138960
ttgagggtca taccaaagaa atatttatgc tccactaata tattcccatt cacaagaagg 139020
aggtattcta gaattaattt ttcatgaatg taagaatact cactgactta agaagcatga 139080
atcattataa cacttttcta cacttgttga acatattcaa gtatcatata ttaaacacca 139140
cgctattgcc cttagctttc ttaaaagtac cagcacagaa tgaaatgggc caactaagat 139200
ttctcagaaa tcttcagatc tgttacagtt atcgtatccg atctgaatta ctttaaattt 139260
acagagttaa agaaataaat caacttgtta aatttgccta gacttgggtt agcctctgga 139320
aacagggcca ttctgtgtag gatcccggct ttctccagca gacagtgagg agccaaggaa 139380
```

```
gacacaaccg tttataggat aatcccacct gcgaaggact tgattcccag tcctgactga 139440
atcactatgc ggaactctga tgagaataac aagggacctg tgactcactt tatcaaggaa 139500
aaaatcagtc ctgtccatta tttgactgaa ctatgccctg gaggaggggg gtgttgacct 139560
gccaataact tggaaatgat taaattgtgt ggaaatacct ttattgttat tgttatcgtt 139620
actactgtta acaatacaga ttttaacact tttccctgta aaatgggata accttgtctt 139680
ctcagcaagt acttcctcta gggtttctct tttaccttta cccaaaaagg atgattgtct 139740
ttacagatac caagctggga gaatgaggaa gtagttctgg gctgggcaag agaaagtgtt 139800
gagtaacttt gcatcaacag gaactttctc aaaagctgat tttttcaagg aaactttcag 139860
ccttagctgg ttccccaccc tgcggtagcc cccaccccca accaccccccc gccccacccc 139920
tgacttatag ccctctcaac ccaatggaaa tgtgacatgc aaatctctcc tgaaatttgc 139980
ccctgggatt ccggctgagg tgtttaatta taatgtcatt tgaatgactt ctcagggtag 140040
gggaagacag accgagagag ggagatagtg dacaaaacag tgccttcact ctttgtccga 140100
agagcccgct atggccacgt tatcatgtcc cctgcaggag gaaagcacac acggggtgcc 140160
cgtgctgtgc agtgtgagca caccaatggc ctgtgcttct agaaccttat gatgtgtgga 140220
ggagaatggg gaggaggaag cacttacaaa ggggaagtag cctgtaccct gtccttctcc 140280
cccaggtgtg gggaatccat gaaataatgg aagtaaatga aggtgcgtca gaaatggcag 140340
agggtgccat caccctaaat ggacgacaca ttaactccag ggcaccgcag tcctcagggt 140400
cagttccccg actggggcaa ctaagcaact gaaggttgct cttgtactca acacctaact 140460
cttcttgaag ggagctcaag ccaggatgct agtgaacttg gctgagggcc atgtcgtgct 140520
acagcgaggg tatgggctcc tggataggaa tcgagcccat ggagagcttg gaatccagaa 140580
aaagagtagt ttttacttac tttaggctct gcacacctaa aacacaaatt ttatccaaga 140640
gtaatcagtt gaaacatgaa cttgccggtt gtatttgtcc attatgagca atttcacaag 140700
gtttgatcaa ataataaact aaatggtgag aaggcagctt ggtaaagtct aaatcttttt 140760
ggtccagtta ggagctgggg tggggtggaa gggaactgat attccctgcg cacctgcagt 140820
atgtctggga ctattaccag tcatttacgg agcgcttcct ctgtgccagg tactggatta 140880
ggcacttcat taaaggctca gtgagaactg cgacctgccc atgctcatgg aaaagagtcg 140940
tggggctgga attcaggtcc agatcagcat taggaactag cttccaaatg ctgagggctc 141000
cctcgcgtcc tcacacctag cgtggaagtg ttccctggtg tacattctgc tgggagggag 141060
tgcagcccct ccatttagga aaagcctctc ctggcctggg ttctgttcct tcccttaat 141120
ttcctctggg gactgtcctg agaatgtaag ctgcccaggt gccgtctgag ccaccagatg 141180
ggcctgggct cacccatgac tcatggacca gactgaagcc aaccctccat tttcagctgg 141240
ggaaactgag gcccagacag acggtagagt gagctggtgg tcatgtctgg acagaactca 141300
ggcctctgga cccgctgacg tgcacccttc cccacggctc acagctggct gctccgaggt 141360
gccctcagag ttctgtgagc atgactcatc tgcctctccc tccctgtgcg acctgcagaa 141420
ggagcctaag gaagaggtgg cacaagaaac gcggcccagt gaagggggct ccggagcctc 141480
ggagcccaga tcttgaagtg gaggggaaac cttgggcctt ctcctcccag ggaagacgcc 141540
ttgcaggcgg cacgcgggaa gtctccgttt ccgacagggg tcgcggccgc cgcgaggggt 141600
cctggacgct tgcccaccag ggtacccacc ggccactggg agcccagggc acgccccacc 141660
gcagttctgc cctccctgac agggtcctgg acacccccag tcctgtccgg gccgccccga 141720
cgggccctcg cgcgcccccgc ccaggcctct gccgtccaaa ccgggtcccg gacgcacctc 141780
agcccgcgct ccacccgtgc cccgcccgcg ctcaccgcgc cacgctcgaa gtcgttgtag 141840
aagggcttgt ccagcaggtg cttctcgctg cagcccgccg agcccacgag gctgaggtag 141900
atgtagtcgt cagtgtcttc accacggggt gaagtacggt ccnnnnnnnn nnnnnnnnnn 141960
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 142020
nnnnnnnnnn nnnnnnnnnn nnttttttggg ttgttgttgt ctctttgttt ttgcgagcgg 142080
tccttccgcc ccgtggtgaa dacaagtggg cgcctctgcc tggccatccc atctgggagg 142140
tgaggagtgc ctctgcccgg ccacccgtc tgggaagtga ggagcgtgtc tacccagcca 142200
ccacgtctgg gaggtgagga gcgcttctgc ctggccgccc catctgggaa gtgaggagcg 142260
cctctatctg gccacccctt ctgggaagtg aggagtgcct ctgcccggcc gccaccccgc 142320
ctcggaggcg aggagcacct ctgcccggcc accacccat ctgagaggca aggaccacct 142380
ctgcctggcc gccatcctgt ctgggaggcg aggagcacct ctgcccagcc gccgccccac 142440
ctaggaggtg aggagcgcct ctggccagcc gccccacctg ggaggcgagg agcgcctctg 142500
cctggccgcc ccatctggga ggtgaggagc gcctctgccc agccaccacc ccatctggga 142560
agtgaggagc gtctctgcca ggccgccccg tctgggaagt gtacccaaca gctccgaaga 142620
gacagcgacc attgagaacg ggccatgatg acgatggcgg ttttgtcaaa aagaaaaggg 142680
ggaaatgtgg ggaaaagaaa gagagatcag attgttactg tgtctgtgta gaaagaaggt 142740
gacataggag acaccatttt gttctgtact aagaaaaatt cttctgcctt gggatgctgt 142800
```

```
taatgtacaa ccttaccccc aacccgtgc tcgctgaaac atgtgctgtg tcaactcagg 142860
gttaaatgga ttaagggtgg tgcaagatgt gctttgttaa acagatgctt gaaggcagca 142920
cgctcattaa gagtcatcac cactccctaa tctcaagtac ccagggacac aaacactgct 142980
gaaggctgca gggacctctg cctaggaaaa ccagagacct ttgttcacct gtttatctgc 143040
tgaccttctc tccactatta tactatgact ctgccacatc cccctctctg agaaacaccc 143100
aagaatgatc aataaatact aaaaaaacaa attaattaat taaataaatt tcatatggaa 143160
ccaaaaaaga gcctgcattg ccaagtcaat cttaagccaa aggaacaaag ctggaggcat 143220
cacactacct gacttcaaac tatactacaa ggctacagta accaaaacag cacggtactg 143280
gtaccaaaac agaggtatag accaatggaa cagaacagag ccttcagtaa taatgccaca 143340
tatgtacaac tatctgatct ttgacaaacc tgacaaaaac aagaaatggg gaaaggattc 143400
cctatttcat aaatggtgtt gggaaaactg gctagccaat aaatggtgta gggaaaactg 143460
gctagccata tgtagaaagc tgaaactgga tcccttcctt acatcttata caaaaattaa 143520
ttcaagatgg attaaagact tacatgttag acctaaaacc ataaaaaccc tagaagaaaa 143580
cctaggcaat accattcagg acataggcat gggcaaggac ttcatgccta aaacaccaaa 143640
agcaatggca atgaaagcca aaattgacaa atgggatcta attaaactaa agagcttctg 143700
cacagcaaaa gaaactacca tcagagtgaa caggcaaccc acagaatggg agaaaatttt 143760
tgcaatctac tcatctgaca aagggctaat atccagactc tacaatgaac tcaaacaaat 143820
ttacaagaaa aaaacaaaca accccatcaa aatgtgggcc aaggaaaaga acagacactt 143880
ctcaaaagaa ggcatttatg cagccaaaag acacatgaaa aaatgctcat catcactggc 143940
catcagagaa atgcaaatca aaaccacaat gagataccat ctcacaccag ttagaatggt 144000
gatcgttaaa aagtcaggaa acaacaggtg ctggagagga tatggagaaa taggaatact 144060
tttacactgt tggtgggact gtaaactagt tcaaccattg tggaagtcag tgtggcgatt 144120
cctcagggat ctagaactag aaataccatt tgacccagca atcccattac tgggtatata 144180
cccaaagtat tataaatcat gctgctataa agacacatgc acacatatgt ttattgtggc 144240
actattcaca agagcaaaga cttggaacca acccaaatgt ccaacaatga tagactggat 144300
taagaaaatg tggcacttat acaccatgga ataccaagca gccataaaaa atgatgagtt 144360
catgtccttt gtagggacat ggatgaagct agaaaccatc attctcagca aactattgca 144420
aggacaaaaa accaaacact gcatgttctc actcataggt gggaattgaa caatgagaac 144480
acatggacac aggaagggga acatcacaca ctggagcctg ctgtggggtg gggggttggg 144540
ggagggatag cattaggaga tatacctaat gctaaatgac gagttaatgg gtgcagcaca 144600
ccaacatggc acatgtatac atatgtaact aacctgcatg ttgtgcacat gtaccctaaa 144660
acctaaagta taataataaa aaaataagct tataaaatgc ttttaatgct atataacttt 144720
ataactctga aagaataata gatttgtatt atgctgtcag tgagtaggtc tattaagtga 144780
taacattaaa cacaaatacc accatttata aagtatgatt ttgatatcat cggttgtgta 144840
ttttcacccc aaactctgta gatagtaact ttgttttctc atttgaccat gctcaatctt 144900
tagagaccat gctcttctct caaaatgact gtaggttcat ccaagtatgt ttgctaccca 144960
aaatcaatga aacacagtca caactatgtc tgtctaggaa taaagccagc taattagatt 145020
cttattctaa ggaacaagaa gagggcaggt aagaatttga ttatggcaga attctgacca 145080
taatcaataa ctgttttcta tttttctcc atgttgtcgg gtggttcata cctgactttc 145140
atcatttcca atgattcctg tttgttttgt ttataaattt caaaatcatc atgaaagtt 145200
tcactgaatg aaaacctgaa aattgggaaa taaacatttt tctgcaaaaa aaaaaaaaca 145260
atgaacactg acttctccta tttctcaaag tcatctcaaa gccatatgag gattaccaca 145320
aacttgcagg tgagaaaatt ctttgcaatg taagaagtgc catgcaaatt agttgatgct 145380
attataatta gtctcaggga tcaaaaatgc ttgaacccta aatctaacac ttcaaaggaa 145440
agcattattt ttcattcatt ttacaagtta cacctccctt cttccccaca tctttgttta 145500
gaatctggac cctgaagtta gaggaccaag attcaaatcc cagcctcatc agtactagct 145560
atgtgatatt gggaatgtta cttgatccct gcttatctta ctttctgcat ttattaaatg 145620
gggatgagaa taatatctac ccaaataagg tgcccaatgc agtgcccaac agcatgaagc 145680
ccaataaagg ttagttaaca tcacatccat aattgacacc tttaggtatt agattttcat 145740
catcccagaa cattttcctt ctttaagcct ttttctttct aagtggcact ttcttggata 145800
ctgattgcac tcctcacaaa cttgaaacgt tcaaacacac aagatgccat ttaggagaca 145860
ttggaacttg ggtttccttc tctgtaaaac tgagtaatga cagtcacctc ccagggctgt 145920
tgtaagaatg aatgagctag agtatgtaaa atatcttagc acagagtgct taagaaatta 145980
ttagttccag ccaagcgtgg tggctcacgc ctgtaatccc agcacttagg gaggccaagg 146040
caggcggctc atctggggtc aggagttcaa gaccacctgg tcaacatggt gaaaccccgt 146100
ctctactaaa aatacaaaaa ttagccaggc gtggtggcat gtgcatgtaa tcccagctac 146160
tcaggaggct gagacaggag aatcacttga acccaggagg tggaggttgc agtgagccga 146220
```

```
gatcgtgcca ttgcactcca gcctgggcaa caagagtgaa actctgtctc aaaaaaaaaa 146280
aaaaaaaaaa gaagaagaag aagaaagaag gaaagaaaga gagagagaga aagaaagaaa 146340
gaaagaaaga aagaaagaaa gaaagaaaga aaaagaaaga aagaaagaa agaaagaagg 146400
aaagagacag aaagaaagaa gggaagaaag aaagaaagaa agaaagaaag aaagaaagaa 146460
agaaagaaag aaagaaagaa gggaagaaag aaagaaagaa agaaaaaaag aaagaaagaa 146520
agaaaaagaa agaaagagag aaagagaaag aaagaaagaa agaaaggaga gacagaacga 146580
aggaaagaag gaaggaatta tttccctttt tcccacccac gcctcaccac aaaccttgtt 146640
gtggggataa catgtaaaag tgaacaaaac tgagaagatc acatcgcata tgcactcagc 146700
ctctagtggg agacacaggc aataaacagg aaaagttaaa aacagtacta ggtagtggtg 146760
agtgcaatta gcctcccgca gcataaaggg aggagaataa ccagtggctc tttcatgcag 146820
agaatcaggg tagacctctg gggagagacc cgcactcaga ctgggatgga attatttatt 146880
ttatgcgtgt tcagttagga gtagaggtgc tctgtcgtga ttatctaatc ttgggaggaa 146940
caatgtcaga cgggtttcaa gatgagtatg agaattggtc ttccttctga aaaaacaaga 147000
attgagttca cactaatcac aaatacatca agcctatttg agtcttgtgt gtgtcatgga 147060
ttgaagtgta tctttccact tagtcaagaa gttccaatga gaagaatgct ccttaacttc 147120
ctaagtgcaa cagagtagtt gaactgagcc atggatggta aatctactta agaaagcaca 147180
tgccatggaa agatagcatt ggctgccctg cctacttctg atggcacagc cttgcaggaa 147240
gggaagaag ccaagaggca aaagcctggt cttgttctga aaggcacaag gaggtggaag 147300
attaggggaa actcacccaa aaatgactca gctctgaact cagactcaag aagccacaat 147360
aagcaacatg aatggaactg gagggaaata aaccaggcgt agaaacacaa atgttgcata 147420
ttcttactca tgtgggaact aaaaacatgc atttcaagga gaatagaatg atggttatca 147480
gagactggga acagttgtgg gtgggggtgt taagagaggt tgcttaatgg gtacaaacat 147540
atagttagat agaaggtata agttctaatg tttgacagca gagtaggaga actatagtta 147600
acagtaatat attgtatact ccaaaatagc tagacaggaa gatttgaaat gttcccaaca 147660
catagaaatg acaaaagctt gaggtaatgg ataccctaaa tatcctgact tgatcattac 147720
acagtctatg cgtgtaacga aataccatat gtaccccata aatatgtaca aatattatgt 147780
atcaataaaa atttttaaaa agaagctgca atcaacattt catcattatc tttttcagcag 147840
catccttaca aagttacaga gacatcttaa gatgtatccc tcttcctctg aatcttcctg 147900
ggatagaaca aatgaaaact aaacaaggag tgggctggga ggagctgtca acatccatcc 147960
taaggaaaag tctgttaggg ctatgagctt cctctgtcct agagtagagc tgggaaaata 148020
gagtcttgac aattgatttc ttattctttc tttctctaaa tccccaatga atatgttttt 148080
cttttttagtg ctcagtggta gacagggctt aattctgttt agttatgcaa acaggccaga 148140
agaaactgaa ataggctata aatgtttgaa gctggccaaa agaagatgta gtcacacaag 148200
ataccctctg gaggaaagtg actgtcagga aagtcacttt cctgaccagc aaaaggacca 148260
gcactatttt gtcctgctga agaagtacat ttgtcctgct gctgtcatgg ggacagtggc 148320
tccagggctt cctgtggaca tgccacaagt tccactccat gagtcaggag atcatgcggt 148380
cagctggggg gaacttaggg ttgctctctt gagcttagcc ttatgctgcg tgtctgcttt 148440
gccaaccaca aaaacgatag tttcatagca agttgcaggc tccctggaaa cttaacctac 148500
ctactaggat acatttacag ctgcttttct cctggcatca ggctggagat caagaaatac 148560
ataaaacata gtccctgccc tcagttagct cagaatatgg tgggggaatg gagacagaag 148620
caaatactgg tgggacaagt gacgatgggc caaaatatgg gcttaaacaa aggttgtggg 148680
agctcagaaa aggagcaact cactctgcct gaaagagtca tggagggctc cacggaaaaa 148740
gcaacatttg tgcaggagga gattagaaca cagaggagaa ggatagcagc actccagatg 148800
aagggaagga aatgtgccaa gatttcatgg gaatgagaag atgtaaactg ctcaggaaaa 148860
accatggttg aagctcttca cagtggctga agcatggtgt gattgtcagt tttgcttgtc 148920
aacttggtca ggctgtagta ctcaactatt caaccaagca ctgatctagg tattgctgtg 148980
aaggtatttt gtagtcgcaa ttaacctcta caatcagttg actctattta aaggacatta 149040
ttctgtacta tctgagtgga cctgatccac ttcatcccaa aggtaaatga ttctccaaca 149100
gtgttctcat ctacatctag ggcttggaag atgaaggtga aggagaatat ggaaaaacaa 149160
caagaaaaaa gtcaatcaat cagaacttcc agccctgtgt ttgttagttc actttatgtt 149220
caaccagtat gtctccactt ttatctgctt ccttgtaaga tttcatctga aaaagggaat 149280
tcactcttca ggtgttggaa atcaattatg agagaagcac ttacagaatg actatctgaa 149340
gagctctgca gacattctcc agagtaaaac aaccataacc ggtgaaaatt aaaaacaaac 149400
aaaataaaaa aatgttagag tattggaaat tgttctaagg gccgacagca aatgaagaaa 149460
tccaagaaag cctaccaatt tcagtgagag gagtgagagt ctatggtgtt gagtctatgg 149520
tgtttaagtt ctgttcattt cctccctctc ctgcaatcag ttcagtgaaa cagaaaccct 149580
gctccagaga tgtgcagcca aaaagacagg gtgccctttc ccctcagctc ccaatctagg 149640
```

```
gcagactacc agcatttccc aagcccatct ctggctctat gttgcagaag ttctattcca 149700
agaaagtttg actgagaatc tgaagcttcc ttcttccact cagcctctac tattaaggcg 149760
taagttctat ccccagtgcc acgggccaag aatactgatg ctgaatgtcc ttgctccgct 149820
acactcatag ggcagagatt ccatgggagg agtgaagttt ccattccaga aaaggcagaa 149880
aaacagaaat tactgcccaa tccagtaccc cacccataaa gaaggaaaga catctgagaa 149940
aagcatgaca ctgtccccaa aaccacctgc agagtagtgg cagtagaggc agtagggaga 150000
ctagaggacc tgcctagagg gagaagtagg ccataagaag aaaagtctct agttctccct 150060
aaagggacaa actttatttg caacagaaca tgcggaagtt caagcctaag ggcactgtca 150120
aaaacaatga atattttggt ggtaagcaat taataggtta atggcagctt agtgagagca 150180
acaaactaaa ccataaacca gctagacata tacaataaaa atccaagaaa gagagagcca 150240
agaagggcct tcctgaggtt aaaacaaaca tcaaagtctt gtctgaaaaa ctgctcctgc 150300
aaaggaagca aaatatattt ggatcagact gtggagcaat ttatgcccct aaaaagctgt 150360
caaaaccaaa agagcaatta tctagcaatt gctggaggtt aacagttggg tatgatacca 150420
aaagaggcaa acaactgaac agatcagaga aagaggcagt caaagagagc actgctaaat 150480
gcactgtaat tccaatttga gagaaaatgt gcccagtgct gtgactccct caggaacaac 150540
atcagaggcc acaaattatg gtggaaatag gcttcactat atagtctagc caggcaatta 150600
aacaaataaa caattaaaca acagtaacat agtgaggggg gcagaaatga gtattgcaac 150660
tagctagaac atattttttga acaaaaaaat tatgagtcaa gcagagatat ggaaaagaca 150720
gagccataca ccagaaaaaa ggtaagcaag agaaactgcc tttgtgagtg ccaagatgtc 150780
agacatagca gaaaaaaaac ctcaaagtaa ttattataaa tatgttcaaa aactaaaaga 150840
aaatgtgctt aaaaaataaa agatggtatg ataatttctt gtcaattcaa aaataccaat 150900
aatagattaa aaatattttt tcaaaagtta attaaccaaa tggaaattct ggggtttaaa 150960
agtaaaataa caacaataag aacattttgc tagaggaaat gaacaataga tttgtaccag 151020
aaggaaaaat aatcaaataa acagggattt catcaacacc aaacctgtct tacaagaaat 151080
actaaaggga gttcaatctg aaagaaagaa cattaacaag caacaggaaa tcatctgaag 151140
gtacaaaact cactgtacct tcagatgata ataagtcctc aaaaaacaca gaatattata 151200
acactgtaat tatggtgtgt aagctactta tatcataagt agaaagagga aaagatgaac 151260
tgattaaaaa acaattacaa cagcttttca agacagtata ataagatata taaataacag 151320
aaagcttaaa agcatataaa taaagttaaa atgtagaggt tttttttagtt ttctttttgc 151380
ttgattgtgt atttatttat gcaatcagtg ttgttttcat cagcataaaa taatgggtta 151440
taagatagta tttgcaagcc tcatagtaac ctcaaattta aaaacataca atgtatacac 151500
aaaaagtgaa gagcaagaaa.ttaaaacata ccaccaaaaa aaatactttc actaaaaagg 151560
agacaggaag taagaaaaga tgggagagaa gatcacaaaa caaccagaaa ataaataaca 151620
aaatggcaag caagtcctta tttgtcaata ataatattga atgtaaatgg actatactct 151680
ccagtaaaaa gatacagagt ggttgaatgg attaaaaaaa aggacccaat gatctgttac 151740
ctacaagaaa taaacttcac ttataacaat acacagacta aaaataaagt catgggaaat 151800
gatacttcac gacaatggaa accaaaaaag aacaggagta gctatacctt tatcagacta 151860
aatagatttc aagacaaaaa ttgttaagaa aaaccaaata aggtcattat ataatgataa 151920
agagatcagt taagcaagag gatgtaacaa ttgtaaatat atatgcactc aacattggag 151980
cacctagata aataaaacaa atattattag agctaaagaa agatagaccc cctcccccaa 152040
aacaataata gctgtagatt tcaatgctcc actttcagca ttggacagat cttccagaca 152100
gaaaatcagc aaggaaacat cagatgtaat ctgaactata gaccaaatgg gcctaataag 152160
tatttacaga atatttcatc caaaggttac agaagacaca tttttctcct tagcacatac 152220
atcattctca agaacaggcc atatattagg tcatgaatca agtctcaaaa cattcaaaaa 152280
aactgaaata atctcaagca tcttctttga ccacaatgga ataaaactag aaaccaataa 152340
caaggggaat tttggaaact atacaaaaac atggaaatta aacaatatgt tcctaaatga 152400
taagtgggtc aatgaagaaa ttatgaattg aattgaaaat tttctaaaaa caaatgacaa 152460
tggaaacata atgcaccaga acctatggga tacaacaaaa gcagtaccaa gagtgatatt 152520
tccagataag ggcctacatc aaaaaggaag aaaaacttca agtgaataac ctgatgatgc 152580
atcttaaaga attaaaaagg caagagtaaa ccaaacccaa aattagtaga agaaaagaac 152640
taataaagat cacagtagaa ataaataaaa ttggacttct gctccaagat ggcctaatag 152700
aaacagctcc agtctgcagc tcccagcatg attggcacag aagatgggtg atttctgcat 152760
ttccaactga ggtaccaggt tcatctcatt gggactggtt ggacaatgga tgcagcccat 152820
ggagggtgag gtgaagcagg gtgaggagtc acctcacccc ggaagcacaa gtgattgggg 152880
gatttccctt tcctagccaa gggaagccgt gacagactgt acctggaaaa tcggttcact 152940
cccacccaaa tactgtgctt ttcccatagt cttagcaacc ggcagaccag gagattctct 153000
cccaagccta gctcatcagg tcccatgccc acggagcctg gctcactgct agcacagcaa 153060
```

```
tctgagatca acctgcgagg ctgcagctgg gtggggggag gggtgtcagc cattgctgag 153120
gactgagtag gtaaacaaag tggccaggaa gctcaaactg ggcagagccc accgcagctc 153180
agcaaggcct actgcctcta tagattccac ctctgtgggc agggcataac tgaacaaaag 153240
gcagcagaca acttctgcag atttaaacgt ccctgcctga cagctctgaa gagagcagtg 153300
gttgccccag catggcatct gagctctgag aacagacaga ctgcctcctc aagtgggtcc 153360
ctaaactcca tgtagcctaa ctgggagaca tctccccata ggggccgaca gacacctcat 153420
acaggtgggt gccactctgg gacaaagctc tcagaggaag gatcaggaag caatatttgc 153480
tcttctgcaa tatttgctgt tctgcagcct ctgctggtga tacccaggca aacagagtct 153540
ggaatggacc tccagcaaac tccagcagac ctgcagctga gggacctgac tgctagaagg 153600
aaaactaaca aacaaaaagg aatagcatca acatcaacaa aaaggacatt cacaccaaaa 153660
cctcatctgt agtcaccaat atcaaagacc aaaggtagat aaaaccacaa agatggggag 153720
aaaccagagc agaaaagctg aaaattctaa aaactgagca ccgcttctcc tccagaggat 153780
tgcaactcct caccggcaac ggaatgaagc tgggtggaga atgactttga caagttggca 153840
gaagtaggct tcagaaggtc ggtaataaca aactactcca aactaaagga gcatgttcta 153900
acccattgca aggaagctaa aaaaccttca aaaaaggtta gacaaatggc taactagaat 153960
aaacagtgta gagaggaact taaatgacct gatggagctg aaaaccgtgg catgaggaca 154020
tcatgatgca tgcacaagct taaatagctg attaaatcaa gtggaagaaa gaatatcagt 154080
gactgaagat caaattaaca aaataaagca agaagataag attagagaaa aaagagtaaa 154140
aagaaatgaa aagcacctcc aagaaatatg ggactatgtg aaaaaaccaa atctacactt 154200
gattggtgta cctgaaagtg atggggagaa ggaaccaag ttggaaaaca ctcttcagaa 154260
tactatccag gagaacttcc ccaaactagc aaggcaggcc,aacattcaaa ttcaagaaat 154320
acagagaaca ccacaaagat attcctcaag aagagcaacc ccaagacaca taattgtcag 154380
cttcaccaag gttgaaatga aggaaaaaaa tgttaagggc agccagagag aaacgttggg 154440
ttaccaacaa agggaagccc atcagactaa aagtagctct ctcagcagac accctgtaag 154500
ccagaagaga gtaggggtca atattcaaca ttcttaaaga aaataatttt caacccagaa 154560
tttcatatcc agccaaacta agcttcataa gtgaaggaga aataaaatcc tttacagaca 154620
agcaaatgct gagagatttt gtcaccatca ggcctgcctt acaagagctc ctgaaggaaa 154680
cactgaacat ggaaaggaac aactgttacc agccactgca aaaacacgcc acattgtaaa 154740
gaccatcgat gacatgaaga aactgcaaca attaactggc aaaataagca gctcacagca 154800
taatgacagg atcaagttca cacataacaa tattaacctt aaatgtaaat gggctaaatg 154860
cctcaattaa agacacagac tggcaaattg catagagtca agacccatca gtgtgcggta 154920
ttcaggagac ccatctcaca tgcaaagaca cacataggga tggaggaaga tccaccaagc 154980
aaatggaaag ccaaaaaaaa aaaaaaaaaa aaaaaaagca ggggttgcaa tcctagtctc 155040
tgataaaaca gagtttaaac caacaaagat ccaaagagac aaagaaagcc attacataat 155100
ggtaaaggga tcaatacaac aagaagaaca aactatccta aatatatatg caaccaatat 155160
gggagcaccc agattcataa agcaagtctg tagagacgta caaagagatg tagacttcca 155220
cacaataata atgggagact ttaacactcc actgtcaata ttagacagat caatgacaca 155280
gaagggtcac aaagatatcc aggacttgaa ttcagctatt caccaagtgg acctaataga 155340
catctacaga actctacacc ccaaatcaac agaatgtaca tacttctcag caccacatca 155400
tacttattct aaaattgacc acataattgg aagtaaaaca ctcctcagca aatgtaaaag 155460
aacagaaatc acaacaaact gtgtctcaga ctacagtgca aacaaattag aactctggat 155520
taataaactc actcaaaatc acacaactac atggaaactg aataacctgc tcctgaatga 155580
ctactgggta cataatgaaa tgaaggcaga aataaagatg ttctttgcaa ccaataagaa 155640
caaagacaca acataccaga ttctccggga cacatttaaa gcagtgtgta cagggaaaat 155700
tatagcacta aatgcccaca agagaaagca ggaaagaact aaaatcaaca acctaacatc 155760
gcaattaaaa gaactagaga agcaagagca aacacattca aaagctagca gaaggcaaga 155820
aataactaag atcagaacag aactgaagga gatagagaca caaaaagcac ttcaaaaaaa 155880
tcaatgaatc caggagctgg tttttaaaaa gatcaacaaa attaatagac cgctagcaag 155940
aataataaag aaaagagaga agaatcaaat tagactcaat aaaaaaagat aaagggga ta 156000
tcaccactga tcccatagaa atacaaacta ccatcagaga atactataaa cacctctaca 156060
taaataaact agaaaatcta gaagaagggg gaggagccaa gatggccaaa taggaacagc 156120
tccagtctac agctcccagc gtgagtgaca cagaagacgg gtgatttctg catttccatc 156180
tgaggtaccg ggttcatctc actagggagt gccagacagt gggcacaggt cagtgggtgc 156240
gcgcactgtg tgcgagccaa tgcagggtga ggcgttgcct cactcgggat gtgcaagggg 156300
tcagagagtt cccttcccta gtcaaagaaa ggggtgacag atggcacctg gaaattcggg 156360
tcactcccac ctgaatactg cacttttcca acgggcttaa aaaacggcgc acctggagag 156420
tatatcccgc acctggcttg gagggtccta tgcccacgga gtcttgctga ttgctagcac 156480
```

```
agcagtctga gatcaaactg caaggcagcg gcgaggctgg gggaggggcg cctgccattg 156540
cccaggcttg cttaggtaaa caaagcagct gggaacctca aactgggtgg atcccaccac 156600
agctcaagga ggcctgcctg cctctgtagg ctccacctct gggggcaggg cacaggcaaa 156660
caaaaagaca gcagtaacca ctgcagactt aaatgtccct gtctgacagc tttgaagaga 156720
gcagtggttc tcccagcacg cagctggaga tctgagaacg ggcagactgc ctcctcaagt 156780
gggtccctga cccctgaccc ccgagcagcc taactgggag gcatccccga gcagaggcag 156840
actgacacct cacacagccg ggtactccaa cagacctgca gctgagggtc ctgtctgtta 156900
gaaggaaaac taacaaacag aaggacatcc acaccaaaaa cccatctgta catcaccatc 156960
atcaaagacc aaaagtagat aaaaccacaa agatggggaa aaaacagagc agaaaaacta 157020
gaaactctaa aaggcaaagc gcctctcctc ctccaaagga atgcagttcc tcaccaggaa 157080
tggaacaaag ctggacggag aatgactttg acgagctgag agaagaaggc ttcagatgat 157140
caaattactc cgaactacgg gaggacattc aaaccaaagg caaagaagtt gaaacgttc 157200
aaaaaattta gaagaatgta taactagaat aaccaataca gagaagtgct taaaggagct 157260
gatggagctg aaaaccaagg ctcgagaact acgtgaagac tcaggagccg atgcgatcaa 157320
ctggaagaaa gggtatcagc gatggaagat gaaatgaatg aaatgaagtg agaaggaaag 157380
tttagagaaa aaagaataaa aagaaatgaa caaagcctcc aagaaatatg ggactatgtg 157440
aaaagaccaa atctacatct gattggcgta cctgaaagtg acggggagaa tggaaccaag 157500
ttggaaaaca ctctgcagga tattatccag gagaacttcc ccaatctagc aaggcaggcc 157560
aacattcaga ttcaggaaat acagagaacg ccacaaagat actcctcgag aagagcaaca 157620
ccaagacaca taattgtcag attcaccaaa gttgaaatga agggaacaat gttaagggca 157680
gccagagaga aaggtcgggt taccctcaaa gggaagccca tcagactaac agcggatctc 157740
tcggcagaaa ctctacaagc cagaagagag tggtggccaa tattcaacat tcttaaggaa 157800
aagaattttc aaaccagaat ttcatataca gccaaactaa gcttcataag tgaaggagaa 157860
ataaaatcct ttacagacaa gcaaatgctg agaaattttg tcaccaccag gcctgcccta 157920
aaagagctcc tgaaggaagt gctaaacatg gaaaggaaca accggtacca gccgctgcaa 157980
aatcatgcca aaatgtaaag accatcgagg ctaggaagaa actgcatcaa ctaacgagca 158040
aaacaacctg ctaacatcat aatgacagga tcaaattcac acataacaat attaacttta 158100
catgtaaatg gactaaatgc tgcaattaaa agacacagac tggcaaattg cataaagatt 158160
caagacccat cagtgtgctg tattcaggaa acccatctca cgggcagaga cacacatagg 158220
ctcaaaataa agggatggag gaagacctac caagcaaatg gaaaacaaaa aaaaggcagg 158280
ggttgcaatc ctagtctctg ataaaacaga ctttaaacca acacagatca aaagagacaa 158340
agaaggccat tacttaatgg taaagggatc aattcaacaa gaagagctaa caatcctaaa 158400
tatatatgca cccaatacag gagcacccag attcataaag caagtcctga gtgacctaca 158460
aagagactta gactaccaca cattaataat gggaaacttt aacacccac tgtcaacatt 158520
agacagatca acaagacaga aagtcaacaa ggatacccag gaattgaact cagctctgca 158580
ccaagcagac ctaatagaca tctacagaac tctccacccc aaatcaacag aatatacatt 158640
tttttcagca ccacaccata cctatttcaa aattgaccac atacttggaa gtaaagctct 158700
cctcagcaaa tgtaaaagaa cagaaattat aacaaactgt ctctctaacc acagtgcaat 158760
caaactacaa ctcaggatga agaaactcac tcaaaactgc tcaactacat ggaaactgaa 158820
caacctgctc ctgaatgact actgggtaca caacgaaatg aaggcagaaa taaagatgtt 158880
ctttgaaacc aatgagaaca aagacacaac ataccagaaa ttctgggatg cattcaaagc 158940
agtgtgtaga gggaaatttg tagcactaaa tgcccacaag agaaagcagg aaagatccaa 159000
aattgacacc ctaacatcac aattaaaaga actagaaaag caagagcaaa cacattcaaa 159060
agctagcaga aggcaagaaa taactaaaat cagagcagaa ctgaaggaaa cagagacaaa 159120
aaaaaccctt caaaaattaa tgaatccagg agctggtttt ttgaaaggat caacaaaatt 159180
gatagaccgc tagcaagaat aataaagaaa aaaagagaga agaatcaaat agatgcaata 159240
aaaaatgata aaggggatat caccaccgat cccacagaaa taaaaactat catcagagaa 159300
tactacaaac acctctatgc aaataaacta gaaaatctag aagaaatgga taaattcctc 159360
gacacataca ctctcccaag actaaaccag gaagaagttg aatctctgaa tagaccaata 159420
acaggagctg aaattgtggc aataatcaat agcttaccaa ccaaaaagag tccaggacca 159480
gatggattca cagccgaatt ttaccagagg tacaaggagg aactggtacc attccttctg 159540
aaactattcc aatcaataga aaaagaggga atcctcccta actcatttta tgaggccagc 159600
atcatcctga taccaaagcc gggcagagac aaaaccaaaa agaggattt tagaccaata 159660
tccttgagga acattgatgc caaaatcctc aataaaatac tggcaaacca atccagcag 159720
cacatcaaaa agcttatcca ccatgatcaa gtaggcttca tccctaggat gcaaggcttg 159780
ttcaacatat gcaaatcaat aaatgtaatc cagcatataa acagaaccaa agacaaaaac 159840
cacatgatta tctcaataga tgcagaaaag gcctttgaca aaattcaaca acacttcatg 159900
```

```
ttaaaaactc tcaataaatt aggtattgct gggacgtatc tcaaaataat aagagctatc 159960
tatgtcaaac ccacagccaa tatcatactg aatgggcaaa aactggaagc attccctttg 160020
aaaattggca caagacaggg atgccctctc tcaccactcc tattcaacat agtgctggaa 160080
gatctgtcca gggcaatcag gcaggagaag gaaataaagg gtattcaatt aggaaaagag 160140
gaagtcaaat tgtccctgtt tgcagatgac atgattttat atctagaaaa ccccattgtc 160200
tcagcccaaa acctccttaa gctgataagc aacttcagca aagtctcagg atacaaaatc 160260
aatgtacaaa aatcacaagc attcttatac accaacaaca gacaaacaga gagccaaatc 160320
atgagtgaac tcccattcac aattgcttca aagagaataa aatacctagg aatccacctt 160380
acaagggatg tgaagcacct cttcaaggag aactacaaac cactgctcaa cgaaataaaa 160440
gaggatacaa acaaatggaa gaacattcca tgctcatggg taggaagaat caatattgtg 160500
aaaatggcca tactgcccaa ggtaatttac agattcaatg ccatccccat caagctacca 160560
attactttct tcacataatt ggaaaaaact actttaaagt tcatatggaa ccaaaaaaga 160620
gcccgcatca ccaagtcaat cctgagccaa aagaacaagg ctggaggcat cacactacct 160680
gacttcaagc tatactacaa ggctacagta accaaaacag cttggtactg ttaccaaaac 160740
agagatatag atcaatggaa cagaacagag ccctcagaaa taatgctgca tatcgacaac 160800
tgtctgatct ttgacaaacc tgagaaaaac aagaaatggg gaaaggattc cctatttaat 160860
aaatggtgct gggaaaactg gctagccata tgtagaaaga tgaaactgga tcccttcctt 160920
acaccttata caaaaattaa ttcaagatgg attaaagact aaatgtcag acctaaaacc 160980
ataaaaaccc tagaagaaaa cctaggcatt accattcagg acataggcat gggcaaggac 161040
ttcatgtcta aaacaccaaa agcaatggca acaaaagcca aaattgacaa atgggatcta 161100
attaaactaa agagcttctg cacagcaaaa gaaactacca tcagagtgaa taggcaacct 161160
acagaatggg agaaaatttt tgcaatctac tcatctgaca aagggctaat attcagaatc 161220
tacaaagaac ttaaacaaat gttcaagaaa aaaacaaccc catcaaaaag tgggcaaaat 161280
acatgaaaag acacttctca aaagaagaca tttatgcagc caacagacac atgaaaaaat 161340
gctcatcatc actggccatc agagaaatgc aaatcaaaac cacaatgaga taccatctca 161400
caccagttag aatgacgatc attaaagtca ggaaacaaca gatgctggag aggacatgga 161460
gaaataggaa tgcttttaca ctgttggtgg gggtgtaaat tagttcaatc attgttgaag 161520
acagtgtggc aattcctcaa ggatctagaa ctagaaatac catttgaccc agcaatccca 161580
ttactgggta tataccgaaa agattacaaa tggtgcaact ataaagacac atgcacacga 161640
atgtttattg tggcactatt cacaatagca aagacttcta acaaacccag atgtccatca 161700
atgatagact ggattaagaa aatgtggcac atatacacca tggaatacta tgcagccata 161760
aaaaaggatg agttcatgtc cttttcaggg acatggatga agctggaaac catcattctc 161820
agcaaactat gacaaggaca gaaaaccaaa caccgcatgt tctcactcat agatgggaac 161880
tgaacaatga gaacacttgg acacagggca gggaacatca cacaccaggg cctgttgggg 161940
ggtggtggac tggggggagag atagcattag gagaaatacc taatgtaaat gatgagttga 162000
tggatgcagc aaaccaacag ggcacatcta tacctatgta agaaacctgc actttgtgca 162060
caggtaccct agaacttgaa gtataataaa aatgaaaaaa agaaaatgtt actagcaaat 162120
tgtagatggg tatacctaat ataactctgc atgtgcacta tgtgtctgga tacacatgga 162180
aagtattcag gcatacacac caaattgtta aaataaatcc ccttccaaca ttaggagtgg 162240
ctggggagca gatggctttc acttccgcac attccatggt gccagggtaa taccacatca 162300
caatagtaaa tagcaaaaat aacaacctta agtttagatt ttcttatcta aattttaatt 162360
ctgtgaagaa gtttccattt cccttttttca cacaggatag tagaatgcag tttagaaaga 162420
gtgagatcac ttgttagact gtacaatttt taagcatcag cgaagtatac cattaaactt 162480
ctctatcaat ccattctcta aacttcccaa cccaaaaaaa aagaaacaca taaaattgaa 162540
atgaagaaaa caatacaaaa gatcaacaaa aatgaaaggt tggctttta aagagataaa 162600
caaaattgac aaatgtttag ccagactaag aaaaagagaa ggcccaaata aataaaatca 162660
gagatgaaaa agcagacatt ataactgata ctgcggaaat tcaaaggatc attaatggct 162720
actatgagca actgtatgcc aaacattgga aaatattgaa gaaatagata aattcgtaga 162780
cacacgcaac ctaacaagat tcaaccatga agaaattcaa aatctgaaca gaccaaaaac 162840
aagtaacaag atcaaagcca taattaaaat tttcccagca aagaaaagcc tgagacccaa 162900
tggcttcact gctgaattct atcaaacatt taaagaacta ataccaatcc tactcaaact 162960
attccaaaaa gtagaagagg agggaatatt tccaaactta ttctatgagg ccattactgc 163020
tcctatatca aaaccaagga cacatcaaaa aagaaaact ataggccaat atctcacatg 163080
aatattgatg aatcctcaaa aaatgctagc aaactgaatt caacatcaca ttaaaaatca 163140
ttcattatga ccaaatggga tttatcccag ggatgcaaat atggttcaac atatacacat 163200
cagtcagtgt aacatatcat atcaacagaa tgaagaagaa aaaccatatg gtcatgttaa 163260
ttgatgctga aaaagtattt gagagaatta aacatctctt catgacaaaa accctcaaaa 163320
```

```
acactggaga cagaaggaac atacctcaac acaataaaca gacatatatg acagactcac 163380
agctagaatc atactaaatg gggagaaact gaaagtcatt cctctaagat ctggaacaag 163440
acaaggatgc tcattttcac cagtgttagt ggaacatagt actgaaagtc ctagctagaa 163500
cagactagag acagaaataa ggggcatcca aactgggaag agagaagtca aattaccttt 163560
gttcgcagat ggtatgatct tctgtttgga aaaacctaga ctccataaaa aaatgattag 163620
aactgataaa ttcagtaaag tttcaggata caaaattaac atacaaaaat cagtagcatt 163680
tctatatgtc aatagcaaac aatctgaaaa tgaaatcaag gaagtaatcc catttcccat 163740
ttgcaatagc tataaataaa attaatataa tctcatctct tcaataagtg gtgttgggaa 163800
aactgcatat ccacatacaa aagaataaaa ttagaccctt ttaatataca aaactggacc 163860
caagttaata tacaaaaatt aacttgaaat gaattaaaga cttaaatgta agatctgaaa 163920
ccaaaaactc ctagagagaa acatagggga aaagctcctt gacgttggcc ttggcaataa 163980
ttttttggga tattacacca aaagcacaga cttttgaaaa aataaacaag taggactaca 164040
tcaaactaaa aagcttctgc atggcaaaag aaagtcaaca acatgaaaag gcaacctaca 164100
gaatggaggg aaatatttgc aaaccatata cctgatgaga agttaatatc aaaatataga 164160
aaatatataa ggaactcaca tatctcaata ccaaaaaaat aataacctgt tttataatgg 164220
gcaaaggacc tgaatagaca ttttttcaaa gaagacacac agatggccaa cgagtgcagg 164280
aaaaagcgtt caacatcact aatcatcagg gaaatgcaaa tcaaaaccac aatgagatat 164340
cactccacac ctgttaggaa agctattatg aaaaacacaa gagacaatga atattggcaa 164400
gggcatggag aaaaaagaac ccttgtacac tgttggtaga aatgtaaatt gcaacagcct 164460
ttatggaaaa tagaatggag gttcctcaaa aaataaaaat agaactacca tacaatctag 164520
caattccact tatgagtgta catccaaagg aatcaaatca ctatgtcaaa gagatatctg 164580
tacttccttg tttattgcag ctttactcac agtagccaag ataaggaaaa aatctaaatg 164640
tccatcaacg gataaagaaa atggggggag gggtgtgcat gtatacatac acaatggact 164700
attttttcagc cataacaaag aaggaaaccc tgccatttgt gacgatatga atgaacccag 164760
aggacattat gttaagtgaa ataagccaga cacagaaata caaatattgt atgatctcat 164820
ttatatgcga atctaaaaat ttcaaacttg aagacgaata agtagaacag tatttatcag 164880
gagctagggg atgtggggaa gaagcaaaat attgggcaaa gagtataaac tttcagttat 164940
gagatgaagg ccaggtgcga tggctcatgt tggtaatccc aatactttgg aaggctgagg 165000
cagagggatt gcttgagacc agcctaggca agaaagtgag acctcatctc tacaaaaaat 165060
aaaaataaaa gaatcagctg ggagtggtgg catacacctg tagtcccagc tagtcaggag 165120
gctgaggggg gaggatcatt tgaaattgga aagtcaaggc tgcagtcagc caagatagtg 165180
ccactgcatt gcagcctggg tgacagagcg aaaccctgtc tcaaaaaaaa aaaaaaaaaa 165240
aagatgaata agttctgggg atcaaatgta cagcatggtg actatagttt ataactgcgt 165300
tattacttga aattggataa gagcagattt taagcatccc cagcacccccc ccaacataca 165360
cacacacaaa tggtaactat aggtggtgat agatatgtta atttgactgt gacaatcagc 165420
attcaatata tacatatatc aaatcatcac attttacccc ttgaaataga aactttgatt 165480
tgtcaatcaa atattttaaa acgaaaataa tcataatatt aatatagcat acaggaaaaa 165540
atttcgtatc tcgactgata cagaaaattt catgataaaa acactttaaa acaaaagaaa 165600
taaaagggaa ctccctcaac ctgataaatg gcatctgtgg aaacccccag ctagcatcaa 165660
acttaataca gaaaggctgg gtgttcacct cttgaaccag gaacaagaca aagatgcctg 165720
cttttgccac ttccatttga ccttgtactg aggttctggc tagggcaatt atccctgaaa 165780
aagaaataaa aggcttccaa ataaaagaag aagtaaaact atctctactc gctcatgaca 165840
tgatcttgca tatagaaaat gtgcacatgt acacacacac aaaccattag aactaataaa 165900
caagttcagc aagtttgcag aatataaaat gaatgtacaa aaatcaagtg tttttctata 165960
tactagcaat taacaatctc aaaatgaatt aaaattccat ttacaatagt atcaaacata 166020
aattatttag aaataaaaag tgcactgaaa actacaaaat attttgaaat aaatcagaaa 166080
agatttaagt aaatggatca cttgaacctg ggaagcagag gttgcagtgt gccgagattg 166140
taccactgca ctttagcctg ggcaacagag ggagactcca aagagtcgaa aagaaaagaa 166200
aagatttaaa taagctgaaa catattctat ggatcagaag acttaatatt gttaaagtga 166260
caatattccc caaattgatc tacagcttca actcaacccc tatcaaaatc ctagcttgct 166320
ttttggctga aattgacaag ctgattctat aatttatatg gaatctcaaa ggatccagaa 166380
taaccaaaac aatattgaaa aataaagaac agcgttggtg gattaacatt ttccaatttc 166440
aaaacttact atagcactgc ggtaatcaag cagtgtggca ctgtatagca tgtacattac 166500
agatcagtgg actagaatca atgtccagaa ataaaccgtt atgtttataa tgaattactt 166560
tttaataagg tgtcaagaca acgcaatggg aaaagaataa tgaattcaac aaatgatgca 166620
tggacaaccg gacatgcaca tgcaacacaa tgaatttgaa ttcttctatc gctccatgca 166680
taaaaactaa ctcaaaatgg gtcacggatg taaatgaaaa gctaaaacta taataatcct 166740
```

```
agaggaaaac ctaggagtaa atctttaaga tgttattgta ggcagtggtt tctcagatag 166800
gacccccaaaa tcacaagcga caaaagaaat tggacttaaa gttaaatact tttgtgcttc 166860
aaacatcatc aagaaagtga aaacacaacc cgcagaagca ataaaaatgt ctgtaagtca 166920
tgtatccgat tagagacttc tatccaggat atataaataa tgcaattcaa tgataaaaaa 166980
gataaatagc ccagttttcc aaagagtcaa gcatctgaat atacatctct ccaaaaatat 167040
acagatatcc aacaagcatg tgaaaagatg ttcaaagcca tttgccaggt gcacaaaccc 167100
aagacagtat gaggagatgc tacagggact ctgctgcttc acagacatga agcgttggtg 167160
agaatgtagg cagccgcctt tggggacttc acatccccgc cgccccacgc acggtgagct 167220
agtgtttaaa cttagccgag atcaatacac gcgactgtgt gcccgtcaga ccctgcgctg 167280
ccggcggggc tgggagaggc gggcgccagg agtgggcggg aacctggggg tcaggcccca 167340
gccgcgggaa gccgcccagg agcgcgcgaa accttctcca caccctccca ggcatttgcc 167400
cgccgcgatt cagagagccg acccgtgacc cctggcctcc cctagacagc cccgcatgtc 167460
cagatgtgcc gtcccgcctg cctcccgcga ccactggcca tctctgggcc tgggcgcggt 167520
ctcggcgccc gcctgccccc gccaggagcc gcaggtccag ccagtgaaga agcccgcgct 167580
gaaggagcct ctgtgctcca gaatccatcc tcagtatcag cgctgggggtg gcctcctcca 167640
ggaagcccctt ctgattctct catgggtcgc tcttcctctg cagactcccg gagcacccct 167700
gctccaagta ccgcaagtgg cactgagaac ttggggagag cagaggctgt gcctagattt 167760
gtagggagtc cccgcagctc caccccaggg cctacaggag cctggccttg ggcgaagccg 167820
aggcaggcag gcagggcaaa gggtggaagc aattcaggag agaacgagtg aacgaatgga 167880
tgagggggtgg cagccgaggt tgccccagtc ccctggctgc aggaacagac acctcgctga 167940
ggagagaccc aggagcgagg cccctgcccc gcccgaggcg aggtcccgcc cagtcggcgc 168000
cgcgtgaaga gtgggagaga atactgcggg ggcggggggcg ggggcggggg cggggggcggg 168060
ggccgccggg agcctggagc cagaccgggc ggggccggca ccgggccagg gacagtgggg 168120
gaggaggctg cgggctgagc gaccctgacc cccccagtc cgcgctggtt ccgg       168174
```

<210> 64
<211> 21
<212> DNA
<213> Homo sapiens

<400> 64
aggagcgcgc raaaccttct c   21

<210> 65
<211> 18
<212> DNA
<213> Homo sapiens

<400> 65
tggacttaaa tacttttg   18

<210> 66
<211> 21
<212> DNA
<213> Homo sapiens

<400> 66
tcatgtatcc rattagagac t   21